

Gulf Oil Spill Document Preservation /Litigation Hold

Kenneth Teague to: R6_DWH_Info

07/15/2010 03:16 PM

145 attachments

WQ Situation Update #52 (7-14-2010).doc 7082010_Chandeleur Dredging Project2.JPG 7082010_Chandeleur Dredging Project4.JPG

7082010_Chandeleur Dredging Project9.jpg 7082010_Chandeleur Dredging Project11.jpg WQ Situation Update #51 (7-13-2010).doc

WQ Situation Update #51 (7-13-2010).doc WQ Situation Update #50 (7-12-2010).doc WQ Situation Update #49 (7-9-2010).doc

WQ Situation Update #48 (7-8-2010).doc WQ Situation Update #47 (7-7-2010).doc Oil Spill Database Letter.pdf June 25 2010.doc

WQ Situation Update #46 (7-6-2010).doc flaglogo.jpg WQ Situation Update #45 (7-2-2010).doc WQ Situation Update #44 (7-1-2010).doc

WQ Situation Update #43 (6-30-2010).doc VTC Talking Points 0600 6_30_10.docx WQ Situation Update #42 (6-29-2010).doc WQ SitRep #41 6-28-10.doc

CWPPRA Update 6_28_10 1300CDT.doc Daily Water Report 06.25.10.doc WQ Situation Update #40 (6-25-2010).doc

WQ Situation Update #39 (6-24-2010).doc WQ Situation Update #38 (6-23-2010).doc WQ Situation Update #36 (6-21-2010).doc

WQ Situation Update #35 (6-18-2010).doc MarkStead_flyer.doc WQ Situation Update #34 (6-17-2010).doc WQ Situation Update #34 (6-17-2010).doc

Berm Permit.pdf Barge & Pilings permit drawings_all sheets 8x11 - 6 11 10.pdf Request to COE for Emergency Authoriz. Pilings.Barges.06-11-10.pdf

Request COE Emergency Authorization for Rocks @ 5 Passes.pdf Rock Dikes emergency permit - all sheets - 8x11 (2).pdf

WQ Situation Update #32 (6-15-2010).doc pic02122.gif pic02122.gif

Gulf Coast - Consolidated NRCS EPA ACOE NOAA Near-term Project Lists 2010-06-14.docx DOI - FWS Long Term Restoration Projects in Gulf Coast (2).pdf

DOI Engagement in Gulf Coast Oil Spill Response - immediate projects.pdf EPA R6 Recommended Coastal Restoration Projects (draft 6-14-10 pfk).xlsx

WQ Situation Update #31 (6-14-2010).doc EPA R6 Response and Recovery Priorities.docx WQ Situation Update #30 (6-11-2010).doc

WQ Situation Update #29 (6-10-2010).doc WQ Situation Update #28 (6-9-2010).doc WQ Situation Update #27 (6-8-2010).doc

WQ Situation Update #26 (6-7-2010).doc dead_zone.pdf rob_magnien.vcf Deepwater.pdf

SCAT_Oil_Spill_Daily_Status_Map_060610_Map_ID_Houma53_letter.594399.pdf pic26299.gif pic31322.gif ecblank.gif pic26299.gif

Deepwater Horizon REOC Situation Report_38.pdf WQ Situation Update #25 _6-4-2010_.pdf WQ Situation Update #25 (6-4-2010).doc

WQ Situation Update #24 (6-3-2010).doc Deepwater Horizon REOC Situation Report_36a.pdf WQ Situation Update #23 _6-2-2010_.pdf

WQ Situation Update #23 (6-2-2010).doc Marsh Remediation notes.doc WQ Situation Update #22 (6-1-2010).doc

WQ Situation Update #21 (5-28-2010).doc Deepwater.pdf Deepwater Horizon REOC Situation Report_34.pdf

Deepwater Horizon REOC Situation Report_33.pdf Deepwater Horizon REOC Situation Report_32.pdf dead_zone.pdf dead_zone.pdf dead_zone.pdf

rob_magnien.vcf Deepwater Horizon REOC Situation Report_31.pdf WQ Situation Update #21 _5-28-2010_.pdf WQ Situation Update #21 (5-28-2010).doc

sers.pdf electrochemoilspill.pdf electrochemoilspill.pdf electrochemoilspill.pdf EPA R4 REOC Deepwater Horizon SitRep # 31 - 201005027.pdf

2073_SOFM48-2010-05-26-1800.pdf 2070_TMF48-2010-05-26-2100.pdf Deepwater Horizon REOC Situation Report_30.pdf

WQ Situation Update #20 _5-27-2010_.pdf WQ Situation Update #20 (5-27-2010).doc 18_cosco-busan-lawrence.pdf 18_cosco-busan-lawrence.pdf

18_cosco-busan-lawrence.pdf WQ Situation Update #19 (5-26-2010).doc itm_feb1998.pdf TV-21.pdf TE-53.pdf TE-50.pdf 6WQ not completed.xls

368413a0.pdf WQ Situation Update #17 (5-24-2010).doc WQ Situation Update #16 revised (5_21_2010).doc WQ Situation Update #16 (5_21_2010).doc

hypoxiaoilspill.doc hypoxiaoilspill.doc Hypoxia vs Oil Spill.doc WQ Situation Update #15 (5_20_2010).doc Cross section plan.doc PILES.bmp

boom lay out.doc PILE LOCATIONS PLANED 05-18-10.xls reroute map 05-18-10 LOW RES.pdf bpocalypse.jpeg Howarth comments on Gulf spill.pdf

WQ Situation Update #12 (5_17_2010).doc CASM_BriefHistory.doc CASM_References.doc CASM_BriefHistory.doc CASM_References.doc

pic15724.gif WQ Situation Update #11 (5_14_2010).doc 205th CONOP PLAN for OIL SPILL SLING LOAD.pptx WQ Situation Update #10 (5_13_2010).doc

Whiskey Is Beach tar balls 051210.jpg Whiskey Is Beach dead turtle 051210.jpg Whiskey Is Beach tar balls 051210.jpg

Whiskey Is Beach dead turtle 051210.jpg Sand Barrier EPA Initial Response.doc WQ Situation Update #9 (5_12_2010).doc

Sand Barrier EPA Initial Response.doc WQ Situation Update #9 (5_12_2010).doc oilconsumption_0.JPG.jpeg 1936_TMF24-2010-05-07-1300.pdf

oillogo.jpg elijahramseyndvi.pdf calndvioilspill.pdf DW Deepwater Rig.pdf Kenaf - absorbent.pdf Natural Absorbent Material.doc

PotentialCWPPRAspillimpacts.doc PotentialCWPPRAspillimpacts.doc Kenaf - absorbent.pdf Natural Absorbent Material.doc delauneoilmarsh.pdf

Traj_20100430_1800.pdf Traj_20100430_1800.pdf

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Karen McCormick/R6/USEPA/US
To: thomas.a.holden@usace.army.mil, darryl_clark@fws.gov, kirk.rhinehart@la.gov, Richard.Hartman@noaa.gov, Aaron Viles <aaron@healthygulf.org>
Cc: William Honker/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, R6 6WQ-EC
Date: 04/28/2010 07:54 AM
Subject: Update on the Oil Spill

Hi Everyone - This is just to keep you informed on what EPA's Emergency Response Branch and the US Coast Guard (USCG) activities in response to the off-shore oil spill incident. The incident involved the Mobile Offshore Drilling Unit Deepwater Horizon which experienced an explosion and subsequently sank in 5000 feet of water 50 miles southeast of Venice, LA. The explosion resulted in a 1000 bbl/day release of oil into the Gulf of Mexico. The USCG briefed the Region 6 Regional Response Team (RRT) on the status of response activities and requested EPA investigate any potential permit issues the Agency may have in regard to the spill and mitigation activities including drilling of interceptor wells. EPA OSC Gary Moore was dispatched to Unified Area Command in Robert, LA to provide technical assistance to the USCG and support USCG in preparing for environmental response to a worst case scenario in the event the well blows completely out.

The RRT Region 6 activated a call to update several federal and state agencies on the status of the Deep Horizons Oil Well spill in the Gulf. Co-Chairs Hanzalik of USCG- District 8 and Craig Carroll, EPA - Region 6, chaired the call. USCG and NOAA provided most of the update

material. The USCG is planning on an in-situ burn tomorrow. The projections do show the slick is about 20 miles off the coast. Current estimate is that oil will hit LA on Friday and Saturday.

I am coordinating with our EPA ERB to give information on potential CWPERRA Project locations, as well as any other coastal areas of concern. USCG has developed an Area Contingency Plan that is required by the Oil Pollution Act (OPA) to pre-identify all potential environmental resources that could be impacted if an oil spill should occur. (see below).

Please feel free to pass this information on to your internal/external contacts. Right now, I must emphasize that USCG and Louisiana Oil Spill Coordinators Office are the lead agency's for this response and we are providing technical assistance. However, if any of the CWPERRA Projects are impacted, my hope is that we will work with the Natural Resource Trustees through the National Resource Damage Assessment Procedures for those projects affected by the oil spill. I will keep you posted on any information as it is received. Please feel free to email or call should you have any concerns. Thanks

Region 6 Oil Area Contingency Plans - <http://wwwwdb.glo.state.tx.us/oilspill/Atlas/masterpage.pdf>

Region 6 Regional Response Team -

<http://www.epa.gov/earth1r6/6sf/respprev/rrt/rrt6.htm>

CWPERRA Project - http://sonris-www.dnr.state.la.us/www_root/sonris_portal_1.htm

www.epaossc.org/region6rrt

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (6WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Karen McCormick/R6/USEPA/US

To: Richard Hartman <Richard.Hartman@noaa.gov>

Cc: R6 6WQ-EC, Jane Watson/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA
Date: 04/28/2010 08:44 AM
Subject: Re: Update on the Oil Spill

Thanks Richard

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (6WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

From: Richard Hartman <Richard.Hartman@noaa.gov>
To: Karen McCormick/R6/USEPA/US@EPA
Date: 04/28/2010 08:16 AM
Subject: Re: Update on the Oil Spill

Karen - I have notified the NOAA people participating in the spill response that there are a number of water control structures that could be closed to help impede oil movement into wetlands. These structures include floodgates at Bayous Bienvenue and Dupre controlled by the COE and the CWPPRA structure at Hopedale.

Rick

McCormick.Karen@epamail.epa.gov wrote:

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> Karen McCormick, Chief
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> EPA R6 (6WQ-EC)
> 1445 Ross Avenue
> Dallas, TX 75202-2733
> office: 214-665-8365
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>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Karen McCormick/R6/USEPA/US
To: R6 6WQ-EC
Date: 04/28/2010 08:45 AM
Subject: Fw: Update on the Oil Spill

This is just a guess.....not received a current trajectory

Karen McCormick, Chief
Marine and Coastal Protection Section

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1445 Ross Avenue
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From: William Honker/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA
Date: 04/28/2010 08:30 AM
Subject: Re: Update on the Oil Spill

Karen,

Thanks. I never got any responses from the TF members as to any preparatory actions that might be taken, so I guess we just wait and hope for the best. I'm guessing the spill would not cross the Mississippi River outflow, so I'm guessing it would impact only the East Bank/St. Bernard Parish side and the islands.

William K. (Bill) Honker, P.E.
Deputy Director, Water Quality Protection Division
EPA Region 6 - Dallas, TX
Phone 214-665-3187
Fax 214-665-7373
Cell 214-551-3619

Update on the Oil Spill

Karen McCormick to: thomas.a.holden, darryl_clark, kirk.rhinehart, Richard.Hartman, Aaron Viles

04/28/2010 07:54 AM

Cc: William Honker, Brad Crawford, Jane Watson, R6 6WQ-EC

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www.epaosc.org/region6rrt

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From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 04/28/2010 08:47 AM
Subject: Re: Update on the Oil Spill

Karen- fyi, Richard Hartman goes by "Rick". I just thought you might like to know.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
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To: William Honker/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA

Cc: R6 6WQ-EC, Jane Watson/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA

Date: 04/28/2010 03:07 PM

Subject: Fw: NOAA Trajectory

t:

Hi Everyone - I have assigned Chris Llewelyn as the Marine and Coastal Liaison between the REOC Planning Section Chief for the oil spill. He will monitor and participate in REOC planning activities, gathering pertinent information that will be provided to Water Division and CWPRRA Program, as well as, provide pertinent information about our concerns for coastal projects. Should have any further questions, please feel free to contact me. Thanks

Karen McCormick, Chief
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----- Forwarded by Karen McCormick/R6/USEPA/US on 04/28/2010 02:39 PM -----

From: Paige Delgado/R6/USEPA/US
To: lleuellyn.chris@epa.gov
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 04/28/2010 02:33 PM
Subject: Fw: NOAA Trajectory

Paige Delgado

Federal On-Scene Coordinator
Prevention and Response Branch (6SF-PO)
U.S. EPA Region VI
Office: 214.665.2724
Cell: 469.371.2529

----- Forwarded by Paige Delgado/R6/USEPA/US on 04/28/2010 02:19 PM -----

From: Craig Carroll/R6/USEPA/US
To: Richard Mayer/R6/USEPA/US@EPA
Cc: Brittany Roche/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA
Date: 04/28/2010 12:52 PM
Subject: NOAA Trajectory

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: "CERF Member Services" <membership@erf.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/28/2010 05:12 PM
Subject: CERF asks you to opt in and be on call to provide expertise to the public policy arena

Dear CERF Members,

The only thing to do with good advice is to pass it on. It is never of any use to oneself. -- Oscar Wilde

One of the important benefits of CERF membership is the ability to make our collective voices heard on scientific and management issues near and dear to our hearts. To that end, CERF's Governing Board recently approved new public policy guidelines that outline how and when the Federation will enter the public policy arena.

The guidelines state, CERF's policy is to provide valid and credible information, representing a consensus among Federation members, concerning coastal and estuarine science to decision-makers; so that they may make informed policy and management decisions.

The Federation's goal is to create and maintain a database of experts who will be CERF's public-policy response team, as specific needs arise.

YOUR Action Is Requested - it only takes a minute to identify your willingness to help.

If you are willing to work with CERF to provide information within your area of expertise to policy-makers, please update your membership profile at the CERF website. Thank you!

To update your membership information:

1. Follow this link: <https://www.sgmeet.com/erf/>
2. Log into your CERF account
3. Click the link "Update your own membership information" located in the first paragraph.
4. Scroll down to the Member Profile section and click the check box, "I am willing to become involved in advising policy makers."
5. Click the "Review Edited Membership Information" button at the bottom of the page
6. Review the information and click the "Submit Member Information" button.

Thank you for your time and for your willingness to pass on your good advice.

Sincerely,

Susan L. Williams
President 2009-2011
slwilliams@ucdavis.edu

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 04/29/2010 08:29 AM
Subject: Good paper on oil and Louisiana marsh plant species

CRMS might provide useful info, if any of the oil actually finds its way to CRMS sites. Probably the only variable that would be of use would be the vegetation data though, and that is only an estimate of percent cover by species, and is not collected frequently, so it would only be an indicator of long-term effects on the vegetation. Something to think about though, depending on how this unfolds.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Doug Daigle <lmrsbc@gmail.com>

To: ckirkham@timespicayune.com, Beverly Ethridge/R6/USEPA/US@EPA, ghanson@pilot.lsu.edu, Bryon Griffith/GMPO/USEPA/US@EPA, hlwag@amscl.org, jharris@hdaissues.com, jwestra@agctr.lsu.edu, Barbara Keeler/R6/USEPA/US@EPA, Myron Knudson/R6/USEPA/US@EPA, Van Kozak/R6/USEPA/US@EPA, len.bahr@gmail.com, pcoreil@agctr.lsu.edu, richard.raynie@la.gov, Sylvia Ritzky/R6/USEPA/US@EPA, robert_delaney@usgs.gov, ronh@lfbf.org, rulmer@tnc.org, Larinda Tervelt/R4/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, wjfontenot@charter.net, Andrew Barron <andrew@btnep.org>, Phil Bass/GMPO/USEPA/US@EPA, Beau Dingle <beaudingle@gmail.com>, Bo Bienvenu <bobienvendu@cox.net>, Brad Spicer <brad_s@ldaf.state.la.us>, Carlton Dufrechou <carlton@saveourlake.org>, Chuck Villarrubia <chuckv@dnr.state.la.us>, Cindy Brown <brown@tnc.org>, Clark Vega <cvega@hdaissues.com>, David M Marks <marks@usgs.gov>, "Davis, Mark S" <msdavis@tulane.edu>, "Doug_Frue@fws.gov" <doug_frue@fws.gov>, Douglas Meffert <dmeffert@tulane.edu>, Dugan Sabins <Dugan.Sabins@la.gov>, "Glenn_Constant@fws.gov" <glenn_constant@fws.gov>, Gordon Newton <gordon.newton@la.usda.gov>, Gretchen Bonfert <gbonfert@mcknight.org>, Henry Graham <henry@lca.org>, "Hutcherson, Betty" <bhutcherson@wlf.louisiana.gov>, James Fouss <jfouss@msa-stoneville.ars.usda.gov>, Janet Gilles <janet@texasrealty.com>, Jerry Holden <jholden@ducks.org>, "Kerry St. Pe" <kerry@btnep.org>, "LanctotLWF@aol.com" <lanctotlwf@aol.com>, "liret6@aol.com" <liret6@aol.com>, Mark Ford <bultongue@yahoo.com>, Mark Schleifstein <mschleifstein@timespicayune.com>, Matt Rota <matt@healthygulf.org>, Mike Sullivan <michael.sullivan@usda.gov>, Nancy Rabalais <nrabalais@lumcon.edu>, Natalie Snider <nsnider@crcl.org>, Olivia Smith <olivias@crcl.org>, "Paul, Britt - Alexandria, LA" <britt.paul@la.usda.gov>, R Eugene Turner <euturne@lsu.edu>, Randy Lanctot <randy@lawildlifefed.org>, "rcaffey@agctr.lsu.edu" <rcaffey@agctr.lsu.edu>, Robert R Lane <rlane@lsu.edu>, ron sheffield <rsheffield@agcenter.lsu.edu>, "Ron_Nassar@fws.gov" <ron_nassar@fws.gov>, "Sapp, Dexter - Alexandria, LA" <dexter.sapp@la.usda.gov>, SKhalil <SKhalil@jeffparish.net>, "Stegall, Butch" <butch_s@ldaf.state.la.us>, Steve Faulkner <sfaulkner@usgs.gov>, Steve Fourrier <sfbrla@bellsouth.net>, Kenneth Teague/R6/USEPA/US@EPA, Timothy Appelboom <tappelboom@msa-stoneville.ars.usda.gov>, "wayne@grandisleport.com" <wayne@grandisleport.com>, "Wold, Amy" <awold@theadvocate.com>, "Yoachim, Ann M" <ayoachim@tulane.edu>

Date: 04/29/2010 03:17 PM

Subje Graphic from NYT on Oil Spill in Gulf

ct:

<http://www.nytimes.com/interactive/2010/04/28/us/20100428-spill-map.html?ref=us>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM
Subject: Kenaf Absorbent

Kenneth,

Attached are two files explaining the Kenaf plant and Out-Sorbs the biodegradable industrial absorbent. Joe is trying to get the industrial absorbent approved by the EPA. Thanks for any help you can give us and if anything else is needed let me know.

Thanks,

Alvin Schuchert
White Oak Energy
12941 North Freeway
Suite #550
Houston, Texas 77060
281-728-0815 mobile
713-933-1059 office

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Kenneth Teague/R6/USEPA/US
To: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
Date: 04/29/2010 04:39 PM

Subject:

Alvin- Have your buddy look at this webpage- I think this describes the procedures he is looking for (though I have to admit, I know nothing about it). In particular, it looks like the note about sorbents is relevant.

<http://www.epa.gov/emergencies/content/ncp/index.htm>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM
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Thanks,

Alvin Schuchert

White Oak Energy
12941 North Freeway
Suite #550

Houston, Texas 77060

281-728-0815 mobile

713-933-1059 office[attachment "Kenaf - absorbent.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Natural Absorbent Material.doc" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Sharon Parrish/R6/USEPA/US
To: R6 6WQ-EM, R6 6WQ-EC
Date: 04/29/2010 05:09 PM
Subject: OIL SPILL IN GULF OF MEXICO

Some of you may be called on to participate in some Gulf activities pertaining to oil spill clean-up if wetlands are threatened/impacted. This could be similar to work Tami Sundquist and Beverly Ethridge did after the 2005 hurricanes. I don't think it will mean multiple weeks in Louisiana, but your wetlands expertise may be required. There are no specific assignments as yet, but as we learn more we will share that information. Volunteers are welcome. Thanks in advance.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Doug Daigle <lmsrbc@gmail.com>

m:

To: awhittington@msfb.com, clem@adeq.state.ar.us, csnyder@ppi-far.org, Beverly Ethridge/R6/USEPA/US@EPA, ewell@louisianaseafood.com, fieldj@battelle.org, Katie Flahive/DC/USEPA/US@EPA, hhitter@usgs.gov, Bob Howard/R4/USEPA/US@EPA, mdunn@agctr.lsu.edu, norman@gerg.tamu.edu, Amy Parker/DC/USEPA/US@EPA, rafael_calderon@tnc.org, regg@tsswcb.state.tx.us, robert_delaney@usgs.gov, rulmer@tnc.org, singleton@adeq.state.ar.us, sski@usgs.gov, steve_spengler@deq.state.ms.us, Larinda Tervelt/R4/USEPA/US@EPA, tn_water_sentinel@yahoo.com, vhartley@msfb.com, wise@adeq.state.ar.us, "Admire, Keith - Little Rock, AR" <keith.admire@ar.usda.gov>, Andrew Barron <andrew@btnep.org>, "Ball, Bob - Columbia, MO" <bob.ball@mo.usda.gov>, Phil Bass/GMPO/USEPA/US@EPA, Bill Herz <WCHerz@tfti.org>, Darrell

Brown/DC/USEPA/US@EPA, Clifford Ochs <byochs@olemiss.edu>, "Doug_Fruge@fws.gov" <doug_fruge@fws.gov>, Douglas Meffert <dmeffert@tulane.edu>, Dugan Sabins <Dugan.Sabins@la.gov>, "earl.smith@arkansas.gov" <earl.smith@arkansas.gov>, "Gipson, Leighann C MVM" <leighann.c.gipson@usace.army.mil>, "jessbarr@aol.com" <jessbarr@aol.com>, John McClurkan <john.mcclurkan@state.tn.us>, Mark Schleifstein <mschleifstein@timespicayune.com>, MARTIN LOCKE <mlocke@msa-oxford.ars.usda.gov>, Mike Sullivan <michael.sullivan@usda.gov>, "Paul, Britt - Alexandria, LA" <britt.paul@la.usda.gov>, "Paul.Estill Davis" <paul.estill.davis@state.tn.us>, Peter Tennant <ptennant@orsanco.org>, piers chapman <piers.chapman@tamu.edu>, Reed Green <wrgreen@usgs.gov>, "Richard_Ingram@deq.state.ms.us" <richard_ingram@deq.state.ms.us>, Ron Kroese <RKroese@mcknight.org>, Scott Yaich <syaich@ducks.org>, "Stegall, Butch" <butch_s@ldaf.state.la.us>, Steve Faulkner <sfaulkner@usgs.gov>, "Steven.L.Ashby@erdc.usace.army.mil" <Steven.L.Ashby@erdc.usace.army.mil>, Kenneth Teague/R6/USEPA/US@EPA, "Wells, Mike MVS External Stakeholder" <mike.wells@dnr.mo.gov>, "Wold, Amy" <awold@theadvocate.com>

Date 04/29/2010 06:35 PM

:

Subj Fwd: NOAA predictions on oil spill via tarpon fishers

ect:

<http://www.projecttarpon.com/forums/showthread.php?tid=122&pid=502#pid502>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Paul Kaspar/R6/USEPA/US

To: R6 6WQ-EC

Date: 04/30/2010 11:03 AM

Subject: Fw: Lisa Jackson to visit Louisiana - Fw: meeting with federal officials (FYI - Potential BTNEP Meeting w/ Lisa Jackson)

FYI - Probably already know about this, but I received this thru the CWPPRA Outreach channels regarding potential meeting between Lisa Jackson and BTNEP.

Paul F. Kaspar
Marine & Coastal Section

U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

----- Forwarded by Paul Kaspar/R6/USEPA/US on 04/30/2010 11:00 AM -----

From: Susan Testroet-Bergeron <sbergeron60@yahoo.com>

To: WilsonS@usgs.gov, PowellJ@usgs.gov, DoyleT@usgs.gov, Paul Kaspar/R6/USEPA/US@EPA

Cc: "Kerry St. Pe" <kerry@btnep.org>, Shelley@btnep.org, williamsa@usgs.gov, Adele.Swearingen@la.usda.gov, RCaffey@agcenter.lsu.edu, cheryl.brodnax@noaa.gov, Rachel.Rodi@usace.army.mil, stevenP@crcl.org, chris.macaluso@la.gov

Date: 04/29/2010 06:31 PM

Subje Lisa Jackson to visit Louisiana - Fw: meeting with federal officials

ct:

Hi Scott,

I just wanted to forward the email I received from Shelley at BTNEP. (As you know BTNEP gets its federal funding from EPA and works closely with the Dallas EPA office.)

It doesn't sound like things have been firmed up for the meeting with Administrator Jackson yet but in emergencies you know this is how it goes.

In Shelley's email below she asks that CWPPRA be involved in a possible meeting tomorrow, Friday. I am sure she would also like to have the USGS NWRC involved. As I receive more details, I will share them.

I also spoke to Kerry this afternoon and he suggested you and Tommy Michot might want to attend the meeting. If you have any questions, you can contact Kerry.

Shelley,

Scott is the Chairman of the CWPPRA Outreach Committee. His contact information is below. He has a blackberry and checks emails often. You may give Mr. David Gray his information. If you need anything else, just give me a call. Thanks for keeping us abreast of the activities.

Scott Wilson, USGS

Chairman

Scott_Wilson@usgs.gov

Tel (337) 266-8644

Fax (337) 266-8513

United States Geological Survey
National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506

Warm regards,
Susan

--- On **Thu, 4/29/10, Shelley Sparks** <shelley@btnep.org> wrote:

From: Shelley Sparks <shelley@btnep.org>

Subject: meeting with federal officials

To: sbergeron60@yahoo.com

Date: Thursday, April 29, 2010, 6:14 PM

Hi Susan,

I wanted to keep you, CWPPRA & company in the loop and make sure y'all are involved. (I'm sure that everyone there understands the significance of the environmental disaster facing Louisiana due to this massive oil spill).

David Gray, who works for Lisa Jackson, contacted BTNEP this afternoon. EPA & company is coming down tomorrow (?) (Lisa Jackson, Napolitano, and the head of NOAA) and plans to hold 3 meetings with various groups of people: environmental justice folks, commercial fishermen, and wetland conservation folks. Mr. Gray contacted BTNEP about these meetings and I sent him a list of people BTNEP feels should be included. I would like to make sure CWPPRA is represented at the wetland conservation meeting too, but I wasn't sure what contact information to send Mr. Gray. Any assistance you can provide, as far as a contact, would be greatly appreciated. I would be happy to forward the information.

As you are well aware, the planning of meetings of this nature happen rapidly. I do not know what time, or a specific location. However, I do believe the meeting will be held in Belle Chasse)

Merci!

Shelley

Shelley S. Sparks

Media Relations Coordinator

Barataria-Terrebonne National Estuary Program

P.O. Box 2663

NSU Campus, N. Babington Hall Room 105

Thibodaux, LA 70310

Toll Free: 1-800-259-0869

Fax: 1-985-447-0870

E-mail: shelley@btnep.org (preferred)

WWW.BTNEP.ORG

Please don't print this e-mail unless you really need to.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Paul Kaspar/R6/USEPA/US

To: R6 6WQ-EC

Date: 04/30/2010 12:15 PM
Subject: Fw: Fact Sheet updates for Oil Slick affected areas

FYI - Looks the CWPPRA Outreach folks are prepping for any inquiries they get. Don't think the forecast includes any EPA projects, yet.

----- Forwarded by Paul Kaspar/R6/USEPA/US on 04/30/2010 12:13 PM -----

From: "Kathy M Ladner" <ladnerk@usgs.gov>
To: "Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, "Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>, <Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, "Rodi, Rachel MVN" <Rachel.Rodi@usace.army.mil>, Paul Kaspar/R6/USEPA/US@EPA, "Kinler, Quin - Baton Rouge, LA" <quin.kinler@la.usda.gov>, Brad Crawford/R6/USEPA/US@EPA, <Melanie.L.Goodman@usace.army.mil>, Minerva Rojo/R6/USEPA/US@EPA
Cc: "Susan Bergeron" <bergerons@usgs.gov>, "Andre Williams" <williamsa@usgs.gov>

Date: 04/30/2010 12:10 PM
Subject:

Subject: FW: Fact Sheet updates for Oil Slick affected areas

All - Susan and Andre are preparing materials for any inquiries they may receive from the press or other agencies concerning the oil slick situation. If you have any fact sheets in these areas that you would like updated, please let me know as soon as possible. Thanks in Advance!!

Kathy Ladner

-----Original Message-----

From: Andre Williams [<mailto:williamsa@usgs.gov>]

Sent: Friday, April 30, 2010 9:52 AM

To: Kathy M Ladner

Cc: Susan Testroet-Bergeron

Subject: Fact Sheet updates for Oil Slick affected areas

Kathy,

We are preparing materials for any inquiries we get from press or agencies working with the oil slick situation. Could you please send-out an email to CWPPRA project managers who have projects that may be affected by the oil, and ask them if they need any changes to those particular Fact Sheets? We may be circulating this information to several different outlets, and we want to be as correct as possible.

Susan will be in until 11:00am, but you can reach me in the office until 4:00pm if you have any questions or concerns.

THANKS!

Andre Williams
Media Specialist
IAP World Services, Inc.
USGS National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506
Office: 337-266-8542
Fax: 337-266-8616
Email: andre_williams@usgs.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:11 PM -----

From: Karen McCormick/R6/USEPA/US
To: Paul Kaspar/R6/USEPA/US@EPA
Cc: R6 6WQ-EC
Date: 04/30/2010 12:20 PM
Subject: Re: Fw: Fact Sheet updates for Oil Slick affected areas

Paul - here is the information I requested Chris Llewelyn to assemble based on the NOAA Trajectory Map (Friday 4/30/10) on CWPPRA Projects that might be impacted due to the oil spill. We put each of the contacts as the Technical Committee for potential questions. Let me know if the Outreach Folks feel that it should be someone else. Thanks

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (6WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

From: Paul Kaspar/R6/USEPA/US
To: R6 6WQ-EC
Date: 04/30/2010 12:15 PM
Subject: Fw: Fact Sheet updates for Oil Slick affected areas

FYI - Looks the CWPPRA Outreach folks are prepping for any inquiries they get. Don't think the forecast includes any EPA projects, yet.

----- Forwarded by Paul Kaspar/R6/USEPA/US on 04/30/2010 12:13 PM -----

From: "Kathy M Ladner" <ladnerk@usgs.gov>

to:

:

T: "Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, "Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>, <Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, "Rodi, Rachel MVN" <Rachel.Rodi@usace.army.mil>, Paul Kaspar/R6/USEPA/US@EPA, "Kinler, Quin - Baton Rouge, LA" <quin.kinler@la.usda.gov>, Brad Crawford/R6/USEPA/US@EPA, <Melanie.L.Goodman@usace.army.mil>, Minerva Rojo/R6/USEPA/US@EPA

Cc:

"Susan Bergeron" <bergerons@usgs.gov>, "Andre Williams" <williamsa@usgs.gov>

Date: 04/30/2010 12:10 PM

Subject:

Subject: FW: Fact Sheet updates for Oil Slick affected areas

to:

cc:

cc:

:

All - Susan and Andre are preparing materials for any inquiries they may receive from the press or other agencies concerning the oil slick situation. If you have any fact sheets in these areas that you would like updated, please let me know as soon as possible. Thanks in Advance!!

Kathy Ladner

-----Original Message-----

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Cc: Susan Testroet-Bergeron

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THANKS!

Andre Williams
Media Specialist
IAP World Services, Inc.
USGS National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506
Office: 337-266-8542
Fax: 337-266-8616
Email: andre_williams@usgs.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Karen McCormick/R6/USEPA/US
To: R6 6WQ-E, R6 6WQ-EC, R6 6WQ-EM, William Honker/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA
Date: 04/30/2010 12:24 PM
Subject: Fw: Louisiana Oil Spill

FYI

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (6WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 04/30/2010 12:22 PM -----

From: "Wildlife Rehab & Education" <sharonschmalz@wrande.org>
To: Karen McCormick/R6/USEPA/US@EPA
Date: 04/30/2010 11:41 AM
Subject: Louisiana Oil Spill

On Standby for Deepwater Horizon Oil Spill

The Wildlife Rehab and Education Oiled Wildlife Response Team stands ready 24/7 and is on standby to respond to any and all wildlife impacted by the oil slick caused by the fire and sinking of the drilling platform Deepwater Horizon. In addition to our management team that has 26 years experience and our team members that possess hazardous waste training, J. Jill Heatley, DVM, MS, Dipl ABVP (Avian), Dipl ACZM, Clinical Associate Professor, Zoological Medicine College of Veterinary Medicine, Texas A&M University is prepared to deploy as well. In addition, Dr. Heatley brings with her Texas A&M College of Veterinary Medicine technicians and senior students. Over 200 volunteers at The Wildlife Center are prepared to either deploy or accept cleaned animals for care.

The Wildlife Rehab and Education Oiled Wildlife Response Team is in contact with the Deepwater Horizon Oil Spill Command Center and ready to respond to any and all wildlife impacted by the oil slick caused by the fire and sinking of the drilling platform Deepwater Horizon. In addition to our team that has 26 years experience in wildlife rescue, rehabilitation and Hazmat training, J. Jill Heatley, DVM, MS, Dipl ABVP (Avian), Dipl ACZM, Clinical Associate Professor, Zoological Medicine College of Veterinary Medicine, Texas A&M University will join our team for deployment. The Wildlife Rehab and Education Oiled Wildlife Response Team has a deep pool of over 200 highly trained volunteers ready to support future waves of deployment and assist with the rescue, cleaning and rehabilitation of impacted wildlife.

NASA's Aqua satellite captured this image of the oil slick in the Gulf of Mexico on April 25, 2010 using its Moderate Resolution Imaging Spectroradiometer (MODIS) instrument. With the Mississippi Delta on the left, the silvery swirling oil slick from the April 20 explosion and subsequent sinking of the *Deepwater Horizon* drilling platform is highly visible. The rig was located roughly 50 miles southeast of the coast of Louisiana. [Click here](#) to go to photo's source.

Officials are now predicting that oil from the incident will reach parts of the Louisiana coastline today in the Pass-a-Loutre Wildlife Management Area and Breton Sound and Chandeleur Sound by Saturday. The WR&E Oiled Wildlife Response Team extensive experience in this region and has successfully responded to oiled wildlife in these areas several times a year.

Our highly experienced management team maintains the multiple state and Federal permits necessary to care for injured, orphaned, endangered, and oiled wildlife. The management team possesses 40 hr. HAZWOPER (Hazardous Waste Operations and Emergency Response) certification, ICS (Incident Command System) training and TWIC (Transportation Worker Identification Card) cards to allow for the collection of oiled wildlife in locations sensitive to Homeland Security such as ship channels and ports. In addition to an experienced pool of volunteers that possess 24 hr. HAZWOPER certification, the team also includes veterinarians and veterinarian technicians and 200 volunteers that are trained in the care and feeding of stressed wildlife. The team responds to oiled wildlife in both inland and coastal areas of the Gulf Coast.

The WR&E Wildlife Center has the following equipment available upon request for the oiled wildlife response:

A Wildlife Center in Houston, TX with capacity to accommodate over 500 adult brown pelicans or even larger numbers of smaller species.

Veterinary medical assistance and fully outfitted mobile and stationary operating facilities and medical support wards.

Response equipment that is stored in 8 "push pact" containers that can be trucked or airlifted anywhere for oiled wildlife response, hurricane response or other wildlife emergencies. The containers include over 3000 various sizes of plastic crates/kennels, 44 large cases of towels, paper towels, trash bags, feeding bowls, etc.

A 38 ft. bus with 24 stainless cages and 2 surgery tables with anesthesia machines for staging, triage or transport of oiled animals to the Wildlife Center. The bus has a generator and is air-conditioned.

A 48 ft. custom built two section enclosed top trailer with a 10,000-watt generator, three air conditioning units and a built-in water tank and fueling station.

A 12 person van for the transportation of personnel and supplies to Oiled Wildlife Response Workshops, Oil Spill and Emergency Response.

We have been overwhelmed with the generosity of all of you who have called and offered to volunteer, provide support and make donations of supplies or cash. The WR&E Oiled Wildlife Response Team is part of the response plan.

To support the lifesaving work of Wildlife Rehab and Education Center you can [click here](#) to electronically donate or you can [click here](#) to go to our website to snail mail a donation now! For more information about our Oiled Wildlife Response Team see our website www.WRandE.org under the "Oiled Wildlife" tab.

Thanks again and we will keep you posted,

Sharon Schmalz
Director of the WR&E Center
Director of the WR&E Oiled Wildlife Response Team

Wildlife photos courtesy of Julie Dermansky

[Email Marketing by](#)

This message was sent from Wildlife Rehab & Education to mccormick.karen@epa.gov. It was sent from: Wildlife Rehab & Education, 7007 Katy Road, Houston, Texas 77024. You can modify/update your subscription via the link below.

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

Fr Paul Kaspar/R6/USEPA/US

m:

To "Kathy M Ladner" <ladnerk@usgs.gov>, "Susan Bergeron" <bergerons@usgs.gov>, "Andre Williams" <williamsa@usgs.gov>, "Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, "Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>, <Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, "Rodi, Rachel MVN" <Rachel.Rodi@usace.army.mil>, "Kinler, Quin - Baton Rouge, LA" <quin.kinler@la.usda.gov>, <Melanie.L.Goodman@usace.army.mil>

Cc R6 6WQ-EC

Da 04/30/2010 12:47 PM
te:

Su Re: FW: Fact Sheet updates for Oil Slick affected areas
bje
ct:

FYI - Here is some information that Chris Llewellyn, in our office, assembled based on the NOAA Trajectory Map (Friday 4/30/10) on CWPPRA Projects that might be impacted due to the oil spill. The Technical Committee representatives were forwarded as the contacts for potential

questions to our chain of command. Let us know if the those contacts should be someone else.

It looks like we (EPA) currently have 2 potential projects in the pathway (Venice Ponds & Lake Borgne). If any fact sheet revisions are required. I'd expect the project managers will be sending those forward individually.

Paul F. Kaspar
Marine & Coastal Section
U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

Fr "Kathy M Ladner" <ladnerk@usgs.gov>

o

m

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T "Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, "Kenneth Bahlinger"
o: <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>, <Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, "Rodi, Rachel MVN" <Rachel.Rodi@usace.army.mil>, Paul
Kaspar/R6/USEPA/US@EPA, "Kinler, Quin - Baton Rouge, LA" <quin.kinler@la.usda.gov>, Brad Crawford/R6/USEPA/US@EPA, <Melanie.L.Goodman@usace.army.mil>, Minerva
Rojo/R6/USEPA/US@EPA

C

C: "Susan Bergeron" <bergerons@usgs.gov>, "Andre Williams" <williamsa@usgs.gov>

D 04/30/2010 12:10 PM

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S FW: Fact Sheet updates for Oil Slick affected areas

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All - Susan and Andre are preparing materials for any inquires they may receive from the press or other agencies concerning the oil slick situation. If you have any fact sheets in these areas that you would like updated, please let me know as soon as possible. Thanks in Advance!!

Kathy Ladner

-----Original Message-----

From: Andre Williams [<mailto:williamsa@usgs.gov>]

Sent: Friday, April 30, 2010 9:52 AM

To: Kathy M Ladner

Cc: Susan Testroet-Bergeron

Subject: Fact Sheet updates for Oil Slick affected areas

Kathy,

We are preparing materials for any inquires we get from press or agencies working with the oil slick situation. Could you please send-out an email to CWPPRA project managers who have projects that may be affected by the oil, and ask them if they need any changes to those particular Fact Sheets? We may be circulating this information to several different outlets, and we want to be as correct as possible.

Susan will be in until 11:00am, but you can reach me in the office until 4:00pm if you have any questions or concerns.

THANKS!

Andre Williams
Media Specialist
IAP World Services, Inc.
USGS National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506
Office: 337-266-8542

Fax: 337-266-8616
Email: andre_williams@usgs.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Doug Daigle <lmrsbc@gmail.com>
To: undisclosed-recipients;;
Date: 04/30/2010 01:29 PM
Subject: Fwd: NOAA site on oil spill

Apologies for double-postings...

[http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY\(entry_subtopic_topic\)=entry_id,subtopic_id,topic_id
&entry_id\(entry_subtopic_topic\)=809&subtopic_id\(entry_subtopic_topic\)=2&topic_id\(entry_subtopic_topic\)=1](http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY(entry_subtopic_topic)=entry_id,subtopic_id,topic_id&entry_id(entry_subtopic_topic)=809&subtopic_id(entry_subtopic_topic)=2&topic_id(entry_subtopic_topic)=1)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/02/2010 08:19 AM
Subject: oil disaster thoughts

Folks-

Here are some observations on the 12th day since Louisiana's worst nightmare since Katrina.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Charlie Howell/R6/USEPA/US

To: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA

Cc: David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA

Date: 05/02/2010 05:33 PM

Subject: Near real-time monitoring - oil concentrations

David/Treda and others,

I am requesting assistance in getting recommendations about the feasibility and utility of using portable hand-held fluorometers to quantify oil concentrations at selected marine and estuarine sites in the Gulf of Mexico to provide near real time results for the purposes of characterizing environmental risks associated with the spill and extent of contamination. This technology has been adopted by EPA and other agencies for monitoring plumes following dispersant application and in situ burns; however, our objective differs somewhat. This would complement other more traditional sampling and analysis.

Kim et al (2009) suggests this has many advantages over GC analysis for on-site analysis, ease of operation, analysis time/cost, and **relationship to the toxicity of oil** (the paper explains that as oil weathers both toxicity and fluorescence diminish -- this may explain poor correlations between fluorescence methods and conventional methods).

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[doi:10.1016/j.marpolbul.2009.10.015](https://doi.org/10.1016/j.marpolbul.2009.10.015) |

I have found several references to problematic issues associated with the portable unit which seems to be most commonly used, i.e., the Turner Designs 10-AU; however, I also found the information below about a "promising" new unit, the Turner Designs C-3.

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The following link includes a paper about matrix effects

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For most offshore waters, background fluorescence and matrix effects have only a minor effect on monitoring dispersed oil with a long-wavelength, field fluorometer system. The

. These materials may contribute to the fluorescence detected and attenuate the UV light within the detector cell.

Additional research in the nearshore and inshore coastal zone is required to fully delineate the practical limits for using fluorometers to track dispersed oil.

Charlie Howell
EPA Region 6

Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Brian Parscal <parscal@hawaii.rr.com>
m:

To: Charlie Howell/R6/USEPA/US@EPA

Cc: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA, David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA, Kim Beasley <kimb@cleanislands.org>, Tom Brumett <Tom_Brumett@turnerdesigns.com>

Date: 05/02/2010 09:42 PM

e:

Subject: Re: Near real-time monitoring - oil concentrations

ject:

All,

Clean Islands Council worked closely with Turner Designs to develop the in-situ fluorometer package currently used by the USCG to monitor the dispersant application associated with the BP spill. This package is based on the Turner Designs C-3 fluorometer and is considerably easier to deploy and operate than the 10-AU fluorometer. You can read more about the development of the C-3 SMART package at

http://www.turnerdesigns.com/case_studies/In%20Situ%20Fluorometry%20and%20SMART%20Protocol.pdf.

Needless to say, we're all going to be quite busy for some time but let me know if you'd like more information on the SMART fluorometer package.

Brian Parscal

Project Specialist
Clean Islands Council
179 Sand Island Rd.
Honolulu, HI 96819
808-845-8465
brian@cleanislands.org

On May 2, 2010, at 12:33 PM, Howell.Charlie@epamail.epa.gov wrote:

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Charlie Howell
EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Charlie Howell/R6/USEPA/US@EPA
Date: 05/03/2010 07:36 AM
Subject: Fw: Near real-time monitoring - oil concentrations

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 07:36 AM -----

From: Brian Parscal <parscal@hawaii.rr.com>
To: Charlie Howell/R6/USEPA/US@EPA
Cc: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA, David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA, Kim Beasley <kimb@cleanislands.org>, Tom Brumett <Tom_Brumett@turnerdesigns.com>
Date: 05/02/2010 09:42 PM
Subject: Re: Near real-time monitoring - oil concentrations

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Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

F Kenneth Teague/R6/USEPA/US
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T Paul Kaspar/R6/USEPA/US@EPA
o:

C "Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>, "Susan Bergeron" <bergerons@usgs.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, Darryl_Clark@fws.gov, "Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>, Kevin_Roy@fws.gov, "Kathy M Ladner" <ladnerk@usgs.gov>, Melanie.L.Goodman@usace.army.mil, c: "Kinler, Quin - Baton Rouge, LA" <quin.kinler@la.usda.gov>, R6 6WQ-EC, "Rodi, Rachel MVN" <Rachel.Rodi@usace.army.mil>, Rachel.Sweeney@noaa.gov, Robert_Dubois@fws.gov, "Andre Williams" <williamsa@usgs.gov>

D 05/03/2010 07:42 AM
at
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S Re: FW: Fact Sheet updates for Oil Slick affected areas
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I'm not sure what specific request this responds to, but I'd like to point out that the Venice Ponds project is still in design- not yet constructed.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr Paul Kaspar/R6/USEPA/US
o
m:

To "Kathy M Ladner" <ladnerk@usgs.gov>, "Susan Bergeron" <bergerons@usgs.gov>, "Andre Williams" <williamsa@usgs.gov>, "Swearingen, Adele - Alexandria, LA"
: <Adele.Swearingen@la.usda.gov>, "Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, "Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>,
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<quin.kinler@la.usda.gov>, <Melanie.L.Goodman@usace.army.mil>

Cc
: R6 6WQ-EC

Da 04/30/2010 12:47 PM
te:

Su Re: FW: Fact Sheet updates for Oil Slick affected areas
bje
ct:

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[attachment "PotentialCWPPRAspillimpacts.doc" deleted by Kenneth Teague/R6/USEPA/US]

Paul F. Kaspar
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U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
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email: kaspar.paul@epa.gov

F "Kathy M Ladner" <ladnerk@usgs.gov>

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m

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T ""Swearingen, Adele - Alexandria, LA"" <Adele.Swearingen@la.usda.gov>, ""Cheryl Brodnax"" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>, ""Kenneth Bahlinger""
o: <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>, <Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, ""Rodi, Rachel MVN"" <Rachel.Rodi@usace.army.mil>, Paul
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Rojo/R6/USEPA/US@EPA

C

c: ""Susan Bergeron"" <bergerons@usgs.gov>, ""Andre Williams"" <williamsa@usgs.gov>

D 04/30/2010 12:10 PM
at

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-----Original Message-----

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Sent: Friday, April 30, 2010 9:52 AM
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Cc: Susan Testroet-Bergeron
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Andre Williams
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USGS National Wetlands Research Center
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Lafayette, LA 70506
Office: 337-266-8542
Fax: 337-266-8616

Office: 337-266-8542
Fax: 337-266-8616
Email: andre_williams@usgs.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: gambrell@lsu.edu
Cc: Charlie Howell/R6/USEPA/US@EPA
Date: 05/03/2010 07:51 AM
Subject: Fw: Near real-time monitoring - oil concentrations

Dr Gambrell- Hi, its been a long time. I hope you remember me, but at any rate, I was one of John Day's students in the early 1980s, you were on my committee, and I took your class. Our monitoring group is asking for any insight into the suitability of using in situ fluorometric methods for oil detection, as part of an emergency monitoring effort for the current spill. Any thoughts would be appreciated. Thanks Dr. Gambrell.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 07:49 AM -----

From: Charlie Howell/R6/USEPA/US
To: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA

Cc: David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/03/2010 08:01 AM
Subject: Fw: Kenaf Absorbent

Hi Karen- Take this for what its worth, but out of the blue, I had an old friend from high school who is now in the oil business track me down and call me about this product. On the off chance that somebody might actually think this deserves some kind of attention, I am forwarding it to you. I'm definitely not making any recommendations about the product, or him, one way or the other. He actually was asking how he could get the product "epa approved", and though I know nothing about this, I think I was able to direct him to the appropriate epa web page.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
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Dallas, TX 75202
phone: 214-665-6687
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 07:57 AM -----

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM
Subject: Kenaf Absorbent

Kenneth,

Attached are two files explaining the Kenaf plant and Out-Sorbs the biodegradable industrial absorbent. Joe is trying to get the industrial absorbent approved by the EPA. Thanks for any help you can give us and if anything else is needed let me know.

Thanks,

Alvin Schuchert
White Oak Energy
12941 North Freeway
Suite #550
Houston, Texas 77060
281-728-0815 mobile
713-933-1059 office

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: terry@gerg.tamu.edu
Date: 05/03/2010 08:07 AM
Subject: Fw: Near real-time monitoring - oil concentrations

Hi Terry- It has been a very long time since we communicated, but hopefully you remember me. Our monitoring group is asking for any insights into the applicability of this method for oil measurement, for use in emergency monitoring of the current spill. Do you have any thoughts on this method? Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 08:06 AM -----

From: Charlie Howell/R6/USEPA/US

To: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA

Cc: David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA

Date: 05/02/2010 05:33 PM

Subject: Near real-time monitoring - oil concentrations

:

David/Treda and others,

I am requesting assistance in getting recommendations about the feasibility and utility of using portable hand-held fluorometers to quantify oil concentrations at selected marine and estuarine sites in the Gulf of Mexico to provide near real time results for the purposes of characterizing environmental risks associated with the spill and extent of contamination. This technology has been adopted by EPA and other agencies for monitoring plumes following dispersant application and in situ burns; however, our objective differs somewhat. This would complement other more traditional sampling and analysis.

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Moonkoo Kim^a, Un Hyuk Yim^a, Sang Hee Hong^a, Jee-Hyun Jung^a, Hyun-Woo Choi^b, Joongeon An^a, Jongho Won^a and Won Joon Shim^a. 2009. Hebei Spirit oil spill monitored on site by fluorometric detection of residual oil in coastal waters off Taean, Korea.

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[doi:10.1016/j.marpolbul.2009.10.015](https://doi.org/10.1016/j.marpolbul.2009.10.015) |

I have found several references to problematic issues associated with the portable unit which seems to be most commonly used, i.e., the Turner Designs 10-AU; however, I also found the information below about a "promising" new unit, the Turner Designs C-3.

<http://www.cleanpacific.org/program.php> - Search "Turner"

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The following link includes a paper about matrix effects

http://response.restoration.noaa.gov/orr_search.php?keywords=SMART

For most offshore waters, background fluorescence and matrix effects have only a minor effect on monitoring dispersed oil with a long-wavelength, field fluorometer system. The

detected
and attenuate the UV light within the detector cell.

- These materials may contribute to the fluorescence

Additional research in the nearshore and inshore coastal zone is required to fully delineate the practical limits for using fluorometers to track dispersed oil.

Charlie Howell
EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/03/2010 08:09 AM
Subject: Fw: Near real-time monitoring - oil concentrations

fyi, charlie asked for any thoughts on this

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 08:09 AM -----

From: Kenneth Teague/R6/USEPA/US
To: gambrell@lsu.edu
Cc: Charlie Howell/R6/USEPA/US@EPA
Date: 05/03/2010 07:51 AM
Subject: Fw: Near real-time monitoring - oil concentrations

Dr Gambrell- Hi, its been a long time. I hope you remember me, but at any rate, I was one of John Day's students in the early 1980s, you were on my committee, and I took your class. Our monitoring group is asking for any insight into the suitability of using in situ fluorometric methods for oil detection, as part of an emergency monitoring effort for the current spill. Any thoughts would be appreciated. Thanks Dr. Gambrell.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/03/2010 07:49 AM -----

From: Charlie Howell/R6/USEPA/US
To: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA
Cc: David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA
Date: 05/02/2010 05:33 PM
Subject: Near real-time monitoring - oil concentrations
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Moonkoo Kim^a, Un Hyuk Yim^a, Sang Hee Hong^a, Jee-Hyun Jung^a, Hyun-Woo Choi^b, Joongeon An^a, Jongho Won^a and Won Joon Shim^a. 2009. Hebei Spirit oil spill monitored on site by fluorometric detection of residual oil in coastal waters off Taean, Korea. Oil and POPs Research Group, Korea Ocean Research and Development Institute, 391 Jangmok-ri, Geoje-shi 656-834, Republic of Korea

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. These materials may contribute to the fluorescence detected and attenuate the UV light within the detector cell.

Additional research in the nearshore and inshore coastal zone is required to fully delineate the practical limits for using fluorometers to track dispersed oil.

Charlie Howell
EPA Region 6
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1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/03/2010 08:10 AM
Subject: Fw: Near real-time monitoring - oil concentrations

fyi

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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howell.charlie@epa.gov

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From: Kenneth Teague/R6/USEPA/US
To: Charlie Howell/R6/USEPA/US@EPA
Date: 05/03/2010 08:16 AM
Subject: Fw: Near real-time monitoring - oil concentrations

fyi- Terry is an excellent organic analytical chemist, particularly for coastal/ocean applications. He worked on the NOAA Status and Trends program, and EMAP, for years.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
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Dallas, TX 75202
phone: 214-665-6687
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Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Beverly Ethridge/R6/USEPA/US
To:
Date: 05/03/2010 08:18 AM
Subject: rig fire

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Susan Bergeron <bergerons@usgs.gov>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/03/2010 09:00 AM
Subject: Re: FW: Fact Sheet updates for Oil Slick affected areas

Thanks!

Susan

~*~*~*~*~*~*~*

Susan Testroet- Bergeron
Bergerons@usgs.gov
Education Specialist, IAP World Services
CWPPRA Outreach
USGS National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506
Phone: 337-266-8623
Fax: 337-266-8595

From:
Teague.Kenneth@epamail.epa.gov
To:
Kaspar.Paul@epamail.epa.gov
Cc:
"Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>,
"Susan Bergeron" <bergerons@usgs.gov>, "Cheryl Brodnax"

<Cheryl.Brodnax@noaa.gov>, Darryl_Clark@fws.gov, "'Kenneth Bahlinger'"
<Kenneth.Bahlinger@LA.GOV>, Kevin_Roy@fws.gov, "Kathy M Ladner"
<ladnerk@usgs.gov>, Melanie.L.Goodman@usace.army.mil, "'Kinler, Quin -
Baton Rouge, LA'" <quin.kinler@la.usda.gov>, R6_6WQ-EC@epamail.epa.gov,
"'Rodi, Rachel MVN'" <Rachel.Rodi@usace.army.mil>,
Rachel.Sweeney@noaa.gov, Robert_Dubois@fws.gov, "'Andre Williams'"
<williamsa@usgs.gov>

Date:

05/03/2010 07:42 AM

Subject:

Re: FW: Fact Sheet updates for Oil Slick affected areas

I'm not sure what specific request this responds to, but I'd like to point
out that the Venice Ponds project is still in design- not yet constructed.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From:

Paul Kaspar/R6/USEPA/US

To:

"Kathy M Ladner" <ladnerk@usgs.gov>, "'Susan Bergeron'"
<bergerons@usgs.gov>, "'Andre Williams'" <williamsa@usgs.gov>,
"'Swearingen, Adele - Alexandria, LA'" <Adele.Swearingen@la.usda.gov>,
"'Cheryl Brodnax'" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>,
"'Kenneth Bahlinger'" <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>,
<Darryl_Clark@fws.gov>, <Robert_Dubois@fws.gov>, "'Rodi, Rachel MVN'"
<Rachel.Rodi@usace.army.mil>, "'Kinler, Quin - Baton Rouge, LA'"
<quin.kinler@la.usda.gov>, <Melanie.L.Goodman@usace.army.mil>

Cc:

R6 6WQ-EC

Date:

04/30/2010 12:47 PM

Subject:

Re: FW: Fact Sheet updates for Oil Slick affected areas

FYI - Here is some information that Chris Llewellyn, in our office, assembled based on the NOAA Trajectory Map (Friday 4/30/10) on CWPPRA Projects that might be impacted due to the oil spill. The Technical Committee representatives were forwarded as the contacts for potential questions to our chain of command. Let us know if the those contacts should be someone else.

It looks like we (EPA) currently have 2 potential projects in the pathway (Venice Ponds & Lake Borgne). If any fact sheet revisions are required. I'd expect the project managers will be sending those forward individually.

[attachment "PotentialCWPPRAspillimpacts.doc" deleted by Kenneth Teague/R6/USEPA/US]
Paul F. Kaspar
Marine & Coastal Section
U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

From:

"Kathy M Ladner" <ladnerk@usgs.gov>

To:

"Swearingen, Adele - Alexandria, LA" <Adele.Swearingen@la.usda.gov>,
"Cheryl Brodnax" <Cheryl.Brodnax@noaa.gov>, <Rachel.Sweeney@noaa.gov>,
"Kenneth Bahlinger" <Kenneth.Bahlinger@LA.GOV>, <Kevin_Roy@fws.gov>,
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<Rachel.Rodi@usace.army.mil>, Paul Kaspar/R6/USEPA/US@EPA, "'Kinler, Quin
- Baton Rouge, LA'" <quin.kinler@la.usda.gov>, Brad
Crawford/R6/USEPA/US@EPA, <Melanie.L.Goodman@usace.army.mil>, Minerva
Rojo/R6/USEPA/US@EPA

Cc:

"Susan Bergeron" <bergerons@usgs.gov>, "'Andre Williams'"

<williamsa@usgs.gov>

Date:

04/30/2010 12:10 PM

Subject:

FW: Fact Sheet updates for Oil Slick affected areas

All - Susan and Andre are preparing materials for any inquires they may receive from the press or other agencies concerning the oil slick situation.

If you have any fact sheets in these areas that you would like updated, please let me know as soon as possible. Thanks in Advance!!

Kathy Ladner

-----Original Message-----

From: Andre Williams [<mailto:williamsa@usgs.gov>]

Sent: Friday, April 30, 2010 9:52 AM

To: Kathy M Ladner

Cc: Susan Testroet-Bergeron

Subject: Fact Sheet updates for Oil Slick affected areas

Kathy,

We are preparing materials for any inquires we get from press or agencies working with the oil slick situation. Could you please send-out an email to CWPPRA project managers who have projects that may be affected by the oil, and ask them if they need any changes to those particular Fact Sheets?

We may be circulating this information to several different outlets, and we want to be as correct as possible.

Susan will be in until 11:00am, but you can reach me in the office until 4:00pm if you have any questions or concerns.

THANKS!

Andre Williams
Media Specialist
IAP World Services, Inc.
USGS National Wetlands Research Center
700 Cajundome Blvd.
Lafayette, LA 70506
Office: 337-266-8542
Fax: 337-266-8616
Email: andre_williams@usgs.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Gaynelle Redd/R6/USEPA/US
To: R6 6WQ-ALL@EPA
Cc: Alice Johnson/R6/USEPA/US@EPA, Mary LaBorn/R6/USEPA/US@EPA, Edgar Jeffrey/R6/USEPA/US@EPA, Dina Granado/R6/USEPA/US@EPA
Date: 05/03/2010 10:12 AM
Subject: Fw: E-mail records management system for the Gulf Of Mexico Oil Response: R6 MC252 Oil Spill Info

Jim Brown has asked that this message be forwarded to the Division. Thanks, Gaynelle

Hi Everyone: Apparently, there's already been an action taken to set up an e-mail records management system for the Gulf of Mexico Oil Spill Response that the help desk wasn't fully aware of when I contacted them this morning.

Please copy

R6 MC252 Oil Spill Info

when sending out an e-mail relating to the response .

Please notify your staff of this address.

Thanks,
Jim

James R. Brown, P.G.
U.S. Environmental Protection Agency, Region 6
Associate Director of Strategic Planning
Planning and Analysis Branch, (6WQ-N)
Water Quality Protection Division
1445 Ross Avenue
Dallas, Texas 75202-2733
Phone: (214) 665-3175
Fax: (214) 665-2733

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: "Terry L. Wade" <terry@gerg.tamu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Norman L. Guinasso Jr." <norman@gerg.tamu.edu>
Date: 05/03/2010 11:17 AM
Subject: RE: Near real-time monitoring - oil concentrations

Ken :

Yes I remember you. Moonkoo Kim was a graduate student at GERG. He is a good chemist and ran our dioxin high resolution mass spectrometer for us. This method relies on the presence of three and four ring aromatic hydrocarbons and there florescence. As they state it does not work directly on the water sample, but requires the oil to be extracted from the water with hexane. Therefore you would need the samples to be extracted and the hexane put in a cuvette and analyzed in the flurometer. It is best to have some of the spilled oil to use to calibrate the fluormeter. It seems a quick method that would provide relatively quick screening results. However you would need someone who was trained to do the extraction and use hexane in the field.

Please let know if you need anything further or if I can help in any way.

Terry

Dr. Terry L. Wade
Deputy Director-Environmental Science
Geochemical and Environmental Research Group voice: 979-862-2323 EXT 134
Texas A&M University e-mail: terry@gerg.tamu.edu
833 Graham Road fax: 979-862-2361
College Station, Texas 77845 TAMU Mail Stop 3149
web: <http://gerg.tamu.edu>

-----Original Message-----

From: Teague.Kenneth@epamail.epa.gov [<mailto:Teague.Kenneth@epamail.epa.gov>]

Sent: Monday, May 03, 2010 8:08 AM

To: terry@gerg.tamu.edu

Subject: Fw: Near real-time monitoring - oil concentrations

Hi Terry- It has been a very long time since we communicated, but hopefully you remember me. Our monitoring group is asking for any insights into the applicability of this method for oil measurement, for use in emergency monitoring of the current spill. Do you have any thoughts on this method? Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist Environmental Scientist
Marine and Coastal Section EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

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From: Charlie Howell/R6/USEPA/US
To: David Redford/DC/USEPA/US@EPA, Treda Grayson/DC/USEPA/US@EPA
Cc: David Neleigh/R6/USEPA/US@EPA, David Melgaard/R4/USEPA/US@EPA,
Kenneth Teague/R6/USEPA/US@EPA, EOC Water@EPA, R6 MC252 Oil Spill Info@EPA
Date: 05/02/2010 05:33 PM
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From: Kenneth Teague/R6/USEPA/US
To: Charlie Howell/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 05/03/2010 11:23 AM
Subject: Fw: Near real-time monitoring - oil concentrations

Very useful feedback from Terry Wade at GERG. Also note that GERG is a potentially very valuable asset with respect to any monitoring of this spill. They are "cutting edge" chemists and oceanographers, and have worked a lot on oil spills and other marine contaminant issues.

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To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Norman L. Guinasso Jr." <norman@gerg.tamu.edu>
Date: 05/03/2010 11:17 AM
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Water Monitoring and Assessment Section (6WQ-EA)

1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: R6 Advisory
To:
Date: 05/03/2010 11:35 AM
Subject: *** FLASH MESSAGE ***; Document Preservation/Litigation Hold:Gulf Oil Spill - Deepwater Horizon Fa

U.S. EPA Region 6 Employees: Please be advised that the U.S. Department of Justice has issued a memorandum calling on EPA and other Federal agencies to preserve information related to the Gulf Oil Spill that followed the fire and explosion at the Deepwater Horizon facility operation by BP Exploration & Production, Inc. EPA Headquarters will be providing specific instructions to all employees later this week regarding preserving information. In the meantime, DOJ has directed that "all
Read More ==> [Link](#) Contact: Edwin Quinones, 6RC-S,
214.665.8035-----

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
Date: 05/03/2010 01:18 PM
Subject: Re: Kenaf Absorbent

Alvin- I just stumbled on this info from a New Orleans newspaper article:

To submit alternative response technology, services or products: 281.366.5511

http://www.nola.com/news/gulf-oil-spill/index.ssf/2010/05/gulf_oil_spill_phone_numbers_a.html

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM
Subject: Kenaf Absorbent

Kenneth,

Attached are two files explaining the Kenaf plant and Out-Sorbs the biodegradable industrial absorbent. Joe is trying to get the industrial

absorbent approved by the EPA. Thanks for any help you can give us and if anything else is needed let me know.

Thanks,

Alvin Schuchert

White Oak Energy

12941 North Freeway

Suite #550

Houston, Texas 77060

281-728-0815 mobile

713-933-1059 office[attachment "Kenaf - absorbent.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Natural Absorbent Material.doc" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Doug Jacobson/R6/USEPA/US
To: R6 6WQ-EC, Karen McCormick/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA
Date: 05/03/2010 01:59 PM
Subject: oil spill web sites that may be helpful if you don't have these already

<http://www.deepwaterhorizonresponse.com/go/site/2931/>

<http://gulfseagrant.tamu.edu/oilspill/index.htm>.

<http://gulfseagrant.tamu.edu/oilspill/index.htm>.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Teresa Clark/R6/USEPA/US
To: R6 6WQ-ALL
Cc: Dina Granado/R6/USEPA/US@EPA, Mary LaBorn/R6/USEPA/US@EPA, Alice Johnson/R6/USEPA/US@EPA
Date: 05/04/2010 06:59 AM
Subject: Fw: WQ Procedures for Inquiries for the BP Oil Spill

WQ Procedures for Inquiries for the BP Oil Spill

Please **READ** message below.

Thanks

Teresa Clark
US EPA, R6 6WQ-P
NPDES Permits and TMDL Branch
214-665-7479 (214-665-2191 Fax)

----- Forwarded by Teresa Clark/R6/USEPA/US on 05/04/2010 06:54 AM -----

From: Karen McCormick/R6/USEPA/US
To: Teresa Clark/R6/USEPA/US@EPA
Date: 05/03/2010 07:30 PM
Subject: WQ Procedures for Inquiries for the BP Oil Spill

Subject:

WQ Procedures for Inquiries for the BP Oil Spill

Hi everyone - many of you are getting outside requests for various topics and asking for information. Please look at the following procedures:

- General Information about EPA Activities: <http://www.epa.gov/bpspill/>
- Media / Public Information refer to US Coast Guard Public Information Officers 985-902-5231 or 985-902-5240
- Air / Water / Sediment Sampling <http://www.epa.gov/bpspill/>
- New Technology Submittals - <http://www.epa.gov/bpspill/techsolution.html>

<http://www.deepwaterhorizonresponse.com/go/inquiry/2931/>

- If general public are interested in **volunteering**, have them call the Deepwater Horizon Response Volunteer Request Line at 1-866-448-5816
- To report spill related damage **claims**, please call 1-800-440-0858
- To report **oiled or injured wildlife**, please call 1-866-557-1401
- To report **oil on land**, or for general Community and Volunteer Information, please call 1-866-448-5816
- Call 281 366 5511 to submit all Deepwater Horizon Response **suggestions**, or email them to: horizonsupport@oegllc.com

For all internal EPA inquiries for water information - both Dawn Ison and myself are the points of contact. Thanks

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
Date: 05/04/2010 07:37 AM
Subject: Re: Kenaf Absorbent

Alvin- I also just found out about this link that is probably what you've been looking for:

<http://www.epa.gov/bpspill/techsolution.html>

which is within this general web page concerning the oil spill:

<http://www.epa.gov/bpspill/>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM

Subject: Kenaf Absorbent

Kenneth,

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Thanks,

Alvin Schuchert

White Oak Energy

12941 North Freeway

Suite #550

Houston, Texas 77060

281-728-0815 mobile

713-933-1059 office[attachment "Kenaf - absorbent.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Natural Absorbent Material.doc" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/04/2010 07:56 AM
Subject: RE: Kenaf Absorbent

Kenneth ,

Thanks for the help!

Alvin Schuchert
White Oak Energy
12941 North Freeway
Suite #550
Houston, Texas 77060

From: Teague.Kenneth@epamail.epa.gov [mailto:Teague.Kenneth@epamail.epa.gov]
Sent: 5/4/2010 7:38 AM
To: Alvin Schuchert
Subject: Re: Kenaf Absorbent

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<http://www.epa.gov/bpspill/techsolution.html>

which is within this general web page concerning the oil spill:

<http://www.epa.gov/bpspill/>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: "Alvin Schuchert" <aschuchert@whiteoakenergy.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 04/29/2010 03:56 PM
Subject: Kenaf Absorbent

Kenneth,

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Suite #550
Houston, Texas 77060
281-728-0815 mobile
713-933-1059 office[attachment "Kenaf - absorbent.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Natural Absorbent Material.doc" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Robert Kirkland/R6/USEPA/US@EPA, Angel Kosfischer/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA

Subject: Potential Value of NDVI for oil spill effects monitoring

Robert- This is just to follow up on our conversation, during which I just remembered the potential utility of the Normalized Difference Vegetation Index (NDVI) for monitoring changes in the vigor of wetland vegetation, which could be useful as an indicator of potential oil spill impacts. This paper (the one from California) seems to be the most straightforward application of the technique to oil spills specifically, that I could find quickly, but there are probably others. They didn't use satellite data though. I'm pretty sure it is possible to use satellite data to develop this index though. I'm also providing a paper by Elijah Ramsey of the National Wetlands Research Center, on the application of NDVI to assessing impacts of burning on coastal wetlands. I assume that similar methods could be used for detection of oil spill impacts. NWRC would be an excellent source of expertise in this. I'm guessing that either USGS or NOAA are already thinking about this.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Robert Kirkland/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA
Date: 05/04/2010 09:54 AM
Subject: Re: Potential Value of NDVI for oil spill effects monitoring

Thanks Ken! I will add this to our toolbox and see what data we need to add.

Robert Kirkland
Environmental Scientist
Surface Water Center Coordinator
USEPA Region 6
6WQ-NI
214-665-6798
kirkland.robert@epa.gov

From: Kenneth Teague/R6/USEPA/US
To: Robert Kirkland/R6/USEPA/US@EPA, Angel Kosfischer/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA
Date: 05/04/2010 09:42 AM
Subject: Potential Value of NDVI for oil spill effects monitoring

Robert- This is just to follow up on our conversation, during which I just remembered the potential utility of the Normalized Difference Vegetation Index (NDVI) for monitoring changes in the vigor of wetland vegetation, which could be useful as an indicator of potential oil spill impacts. This paper (the one from California) seems to be the most straightforward application of the technique to oil spills specifically, that I could find quickly, but there are probably others. They didn't use satellite data though. I'm pretty sure it is possible to use satellite data to develop this index though. I'm also providing a paper by Elijah Ramsey of the National Wetlands Research Center, on the application of NDVI to assessing impacts of burning on coastal wetlands. I assume that similar methods could be used for detection of oil spill impacts. NWRC would be an excellent source of expertise in this. I'm guessing that either USGS or NOAA are already thinking about this.

[attachment "elijahramseyndvi.pdf" deleted by Robert Kirkland/R6/USEPA/US] [attachment "calndvioilspill.pdf" deleted by Robert Kirkland/R6/USEPA/US]

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: "Breux Act Newsflash" <BreuxAct@nwrccom.cr.usgs.gov>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/04/2010 10:18 AM
Subject: Breux Act Newsflash - Volunteers Interested in Assisting in Oil Clean-Up in Louisiana Should Sign Up and Stand By

Volunteers Interested in Assisting in Oil Clean-Up in Louisiana Should
Sign Up and Stand By

(April 30, 2010) The oil spill off the mouth of the Mississippi River has been declared a "spill of national significance," and threatens damage to the Gulf Coast-perhaps for months to come. With the first wave of the oil slick expected to impact coastal Louisiana, Governor Bobby Jindal has declared a state of emergency. The National Audubon Society, National Wildlife Federation, the Barataria-Terrebonne National Estuary Program and the Coalition to Restore Coastal Louisiana are joining forces to begin signing up volunteers to assist in local, state and federal recovery efforts as needs arise..

Although we do not know the location or the extent of impact to birds,

wildlife, and habitat at this time, we do know is that we need to be ready with on-call volunteers in the event that they are needed. Volunteers can fill a variety of needs, from oiled wildlife recovery, to monitoring and photographing oil movement, to providing a boat and driver for response activities. All volunteers must be at least 18 years old; otherwise, the need for training and special skills varies greatly. Some tasks, such as food preparation, may require no training. Other tasks, such as washing oiled birds, require specific certifications or skills. We encourage pre-veterinary students, veterinary technicians, and anyone with HAZWOPER training to volunteer. Anyone with experience in dealing with wildlife handling, rehabilitation, or hazardous materials clean up is also strongly encouraged to register.

Interested volunteers should register via the link below. The severity of this spill may require a long-term and ongoing response, so if you don't hear from us immediately, it doesn't mean you won't be contacted or that your efforts won't be needed. With your help, we can meet this challenge and reduce the impacts of this spill to habitat and wildlife.

Until called, it is important for would-be volunteers to avoid affected areas and interference with initial response efforts. Note: If you encounter oiled wildlife, please call 1 (866) 557-1401. Please do not touch or disturb oiled wildlife, for your safety and theirs.

To volunteer visit the Web at <http://gulfrresponse.org/>

- ### -

See what's new on the Breaux Act Web site! Visit www.LaCoast.gov

TELL US WHAT YOU THINK

We welcome your comments! Contact us at lacoast@nwrccom.cr.usgs.gov

SPREAD THE WORD!

Tell your friends they can receive this free newsletter by subscribing at: <http://www.lacoast.gov/news/newsletter.htm>

FOR MORE PROGRAM INFORMATION:

Subscribe to WaterMarks, the Breaux Act newsletter, by contacting lacoast@nwrccom.cr.usgs.gov

To view on-line issues visit <http://www.lacoast.gov/WaterMarks>

OTHER RELATED COASTAL RESTORATION WEB SITES:

U.S. Army Corps of Engineers - New Orleans District:

<http://www.mvn.usace.army.mil/>

USDA Natural Resources Conservation Service - Louisiana:

<http://www.la.nrcs.usda.gov/>

NOAA National Marine Fisheries Service:

<http://www.nmfs.noaa.gov/habitat/restoration/>

EPA Region 6: <http://www.epa.gov/earth1r6/index.htm>

US Fish and Wildlife Service: <http://www.fws.gov/>

Louisiana Office of Coastal Protection and Restoration:

<http://www.ocpr.louisiana.gov/>

Louisiana Governor's Office of Coastal Activities:

<http://www.goca.state.la.us/>

U.S.G.S. National Wetlands Research Center: <http://www.nwrc.usgs.gov/>

Barataria-Terrebonne National Estuary Program: <http://www.btnep.org/>

Coalition to Restore Coastal Louisiana <http://www.crcl.org/>

Coast 2050: <http://www.coast2050.gov/>

Louisiana Cooperative Extension Service:

[http://www.lsuagcenter.com/en/administration/about us/extension/](http://www.lsuagcenter.com/en/administration/about_us/extension/)

Louisiana Coastal Area Ecosystem Restoration Study: <http://www.lca.gov/>

National Coastal Wetlands Conservation Grant Program:

<http://www.fws.gov/coastal/CoastalGrants/>

Louisiana Seagrant: <http://www.laseagrant.org/>

America's WETLAND: <http://www.americaswetland.com/>

Minerals Management Service Sand and Gravel Program:

<http://www.mms.gov/sandandgravel/>

Lake Pontchartrain Basin Foundation:

<http://www.saveourlake.org/>

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From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/04/2010 10:23 AM
Subject: Oil, oil and more oil.

Folks-

The latest slick on coastal oil. Check out today's May Coastal Scuttlebutt and part one of my new post on a possible paradigm shift

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Jeff Benoit <jbenoit@estuaries.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/05/2010 11:10 AM
Subject: Help Respond to the Gulf Oil Spill

Help Respond to the Gulf Oil Spill

As oil pumps into the Gulf of Mexico, many of us feel helpless and concerned. With estimates of more than 200,000 gallons of oil pumping out 5,000 feet below the water's surface, the questions about what the future holds for the Gulf's wildlife, wetlands, and way of life are too numerous to list, while estimates for potential damage continue to climb higher.

**Help support the Gulf Oil Spill Relief Fund
today!**

100% of your tax-deductible contribution will go toward
Gulf Coast relief efforts and supplies.

[Click Here to Donate](#)

Map of projected path of oil spill - NOAA May 5, 2010

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Coastal Restoration

Restore America's Estuaries (RAE) is working expediently to provide help in the way of resources, volunteers and financial support. Long-term impacts of the oil spill along the Gulf are still uncertain, yet what is clear is RAE is ready to assist. The need for support is now greater than ever before to help protect and restore our nation's estuaries from this menacing oil spill in the Gulf.

Help Us Save Gulf Coast and Wildlife

Donate

Alex Brandon, AP

RAE is mobilizing resources and volunteers to respond to what could be the worst environmental disaster in U.S. history. The catastrophic oil spill off the Gulf Coast is threatening fragile coastline and wetlands, the seafood industry, and hundreds of species of wildlife, all of which are vital to the region's economy and public health and safety.

The oil slick - already the size of Delaware and *growing by the day*
- will likely spread oil along the coast from Texas to Florida.

RAE is in a unique position to help. As an alliance of eleven member groups from around the country, our network has some of the most experienced professionals in the coastal restoration field. In the future, RAE can continue to support the efforts for coastal restoration , *long after others have gone home.*

[Click Here to Donate](#)

Photo by Marc Morrison.

Volunteer

Louisiana: If you have experience working on oil spill clean-ups, contact our RAE member group, the Coalition to Restore Coastal Louisiana (www.crcl.org). CRCL encourages pre-veterinary students, veterinary technicians, and anyone with HAZWOPER training to volunteer. Anyone with experience in wildlife handling, rehabilitation, or hazardous materials clean up is also strongly encouraged to volunteer.

Alabama: Mobile Bay National Estuary Program (
www.mobilebaynep.com)

Florida: State-wide volunteer effort (
www.volunteerfloridadisaster.org)

Mississippi: Mississippi Department of Marine Resources - (228)
374-5000 (www.dmr.state.ms.us)

Texas: Galveston Bay Foundation (
www.galvbay.org/volunteer_oil_signup.html)

Restore America's Estuaries is a 501(c)(3) non-profit that leads a national alliance of 11 community-based conservations from the East, West, and Gulf Coasts. Together, our members boast a combined membership of more than 250,000 volunteer-members. Our mission is to preserve the nation's estuaries by protecting and restoring the lands and waters essential to the richness and diversity of coastal life

Restore America's Estuaries
www.estuaries.org
National Office
2020 N. 14th Street, Suite 210
Arlington, VA 22207
(703) 527-0248

West Coast Office
5314- 17th Avenue Northwest, Suite A
Seattle, WA 98107
(206) 624-7781

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Restore America's Estuaries | 2020 N. 14th Street | Suite 210 | Arlington | VA | 22201

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

Fr Scott Walter <scott.t.walter@gmail.com>
o

m:

To Brad Miller <Brad.Miller@la.gov>, "jwillis@louisiana.edu" <jwillis@louisiana.edu>, Dr Mark Hester <mhester@louisiana.edu>, Glen Curole <Glen.Curole@la.gov>, Darin Lee
: <Darin.Lee@la.gov>, Shane Faust <Shane.Faust@la.gov>, "Carloss, Michael" <mcarloss@wlf.la.gov>, "clejeune@wlf.louisiana.gov" <clejeune@wlf.louisiana.gov>, Kenneth
Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Leberg <paulleberg@gmail.com>

Da 05/05/2010 10:22 PM
te:

Su Whiskey Island update
bje
ct:

Hello, everyone

As of May 5th, there are still no signs of pelicans nesting on Whiskey Island. However, there are brand new nests on Wine Island, so pelicans are still actively breeding and nesting, and thus we should all be alert for them around the restoration site.

I'm now living at LUMCON, and will be around the islands every week.
I'll be sure to pass along any important updates.

Scott T. Walter
ULL, Brown Pelican Researcher

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Jessica Franks/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/06/2010 09:16 AM
Subject: Fw: Gulf Oil Spill is Bad, but How Bad?

Hi Ken,

Thought you might be interested in this article.

Jessica

----- Forwarded by Jessica Franks/R6/USEPA/US on 05/06/2010 09:16 AM -----

Gulf Oil Spill is Bad, but How Bad?

Jessica Franks

to: Paul Koska

05/06/2010 08:43 AM

This article puts the spill into perspective. It is ashame the local news does not do that.

May 3, 2010

Gulf Oil Spill Is Bad, but How Bad?

By JOHN M. BRODER and TOM ZELLER Jr.

WASHINGTON — The oil spill in the Gulf of Mexico is bad — no one would dispute it. But just how bad?

Some experts have been quick to predict apocalypse, painting grim pictures of 1,000 miles of irreplaceable wetlands and beaches at risk, fisheries damaged for seasons, fragile species wiped out and a region and an industry economically crippled for years.

President Obama has called the spill “a potentially unprecedented environmental disaster.” And some scientists have suggested that the oil might hitch a ride on the loop current in the gulf, bringing havoc to the Atlantic Coast.

Yet the Deepwater Horizon blowout is not unprecedented, nor is it yet among the worst oil accidents in history. And its ultimate impact will depend on a long list of interlinked variables, including the weather, ocean currents, the properties of the oil involved and the success or failure of the frantic efforts to stanch the flow and remediate its effects.

As one expert put it, this is the first inning of a nine-inning game. No one knows the final score.

The ruptured well, currently pouring an estimated 210,000 gallons of oil a day into the gulf, could flow for years and still not begin to approach the 36 billion gallons of oil spilled by retreating Iraqi forces when they left Kuwait in 1991. It is not yet close to the magnitude of the Ixtoc I blowout in the Bay of Campeche in Mexico in 1979, which spilled an estimated 140 million gallons of crude before the gusher could be stopped.

And it will have to get much worse before it approaches the impact of the Exxon Valdez accident of 1989, which contaminated 1,300 miles of largely untouched shoreline and killed tens of thousands of seabirds, otters and seals along with 250 eagles and 22 killer whales.

No one, not even the oil industry’s most fervent apologists, is making light of this accident. The contaminated area of the gulf continues to spread, and oil has been found in some of the fragile marshes at the tip of Louisiana. The beaches and coral reefs of the Florida Keys could be hit if the slick is captured by the gulf’s clockwise loop current.

But on Monday, the wind was pushing the slick in the opposite direction, away from the current. The worst effects of the spill have yet to be felt. And if efforts to contain the oil are even partly successful and the weather cooperates, the worst could be avoided.

“Right now what people are fearing has not materialized,” said Edward B. Overton, professor emeritus of environmental science at Louisiana State University and an expert on oil spills. “People have the idea of an Exxon Valdez, with a gunky, smelly black tide looming over the horizon waiting to wash ashore. I do not anticipate this will happen down here unless things get a lot worse.”

Dr. Overton said he was hopeful that efforts by BP to place containment structures over the leaking parts of the well will succeed, although he said it was a difficult task that could actually make things worse by damaging undersea pipes.

Other experts said that while the potential for catastrophe remained, there were reasons to remain guardedly optimistic.

“The sky is not falling,” said Quenton R. Dokken, a marine biologist and the executive director of the Gulf of Mexico Foundation, a conservation group in Corpus Christi, Tex. “We’ve certainly stepped in a hole and we’re going to have to work ourselves out of it, but it isn’t the end of the Gulf of Mexico.”

Engineers said the type of oil pouring out is lighter than the heavy crude spilled by the Exxon Valdez, evaporates more quickly and is easier to burn. It also appears to respond to the use of dispersants, which break up globs of oil and help them sink. The oil is still capable of significant damage, particularly when it is churned up with water and forms a sort of mousse that floats and can travel long distances.

Jacqueline Savitz, a senior scientist at Oceana, a nonprofit environmental group, said that much of the damage was already taking place far offshore and out of sight of surveillance aircraft and research vessels.

“Some people are saying, It hasn’t gotten to shore yet so it’s all good,” she said. “But a lot of animals live in the ocean, and a spill like this becomes bad for marine life as soon as it hits the water. You have endangered sea turtles, the larvae of bluefin tuna, shrimp and crabs and oysters, grouper. A lot of these are already being affected and have been for 10 days. We’re waiting to see how bad it is at the shore, but we may never fully understand the full impacts on ocean life.”

The economic impact is as uncertain as the environmental damage. With several million gallons of medium crude in the water already, some experts are predicting wide economic harm. Experts at the Harte Research Institute for Gulf of Mexico Studies in Corpus Christi, for example, estimated that as much as \$1.6 billion of annual economic activity and services — including effects on tourism,

fishing and even less tangible services like the storm protection provided by wetlands — could be at risk.

“And that’s really only the tip of the iceberg,” said David Yoskowitz, who holds the endowed chair for socioeconomics at the institute. “It’s still early in the game, and there’s a lot of potential downstream impacts, a lot of multiplier impacts.”

But much of this damage could be avoided if the various tactics employed by BP and government technicians pay off in the coming days. The winds are dying down and the seas are calming, allowing for renewed skimming operations and possible new controlled burns of oil on the surface. BP technicians are trying to inject dispersants deep below the surface, which could reduce the impact on aquatic life. Winds and currents could move the globs of emulsified oil away from coastal shellfish breeding grounds.

The gulf is not a pristine environment and has survived both chronic and acute pollution problems before. Thousands of gallons of oil flow into the gulf from natural undersea well seeps every day, engineers say, and the scores of refineries and chemical plants that line the shore from Mexico to Mississippi pour untold volumes of pollutants into the water.

After the Ixtoc spill 31 years ago, the second-largest oil release in history, the gulf rebounded. Within three years, there was little visible trace of the spill off the Mexican coast, which was compounded by a tanker accident in the gulf a few months later that released 2.6 million additional gallons, experts said.

“The gulf is tremendously resilient,” said Dr. Dokken, the marine biologist. “But we’ve always got to ask ourselves how long can we keep heaping these insults on the gulf and having it bounce back. As a scientist, I have to say I just don’t know.”

Leslie Kaufman contributed reporting from New Orleans.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Chris Llewellyn/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 05/07/2010 09:51 AM
Subject: Fw: LCA Modification to Caernarvon

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/07/2010 09:51 AM -----

Fr Thomas Bernard <Thomas.Bernard@LA.GOV>
o
m:

To Anthony Roussell <Anthony.Roussell@LA.GOV>, Chuck Villarrubia <Chuck.Villarrubia@LA.GOV>, David Oge' <David.Oge@LA.GOV>, "David Walther " <david_walther@fws.gov>, Donald Schneider <Donald.C.Schneider@usace.army.mil>, Dwight Bradshaw <Dwight.Bradshaw@LA.GOV>, Garrett Broussard <Garrett.Broussard@LA.GOV>, Greg Laiche <glaiche@wlf.louisiana.gov>, Heather Warner-Finley <hfinley@wlf.louisiana.gov>, Jim Hasik <dhasik@aol.com>, Kenneth Teague/R6/USEPA/US@EPA, "Kevin Roy " <kevin_roy@fws.gov>, Lonny Serpas <lserpas@plaqueminesparish.com>, Michael Brown <Michael.T.Brown@mvn02.usace.army.mil>, Michael Saucier <Michael.H.Saucier@mvn02.usace.army.mil>, Rachel Sweeney <Rachel.Sweeney@noaa.gov>, Richard Boe <Richard.e.boe@mvn02.usace.army.mil>, Rick Hartman <richard.hartman@noaa.gov>, Thomas Bernard <Thomas.Bernard@LA.GOV>, William McCartney <wmccartney@sbgp.net>
Cc Anthony Roussell <Anthony.Roussell@LA.GOV>, David Oge' <David.Oge@LA.GOV>, "Greg Laiche (glaiche@wlf.la.gov)" <glaiche@wlf.la.gov>, "Heather Finley (hfinley@wlf.la.gov)" <hfinley@wlf.la.gov>
Da 05/07/2010 09:46 AM
te:

Su LCA Modification to Caernarvon
bje
ct:

CIAC Members,
Because of the Oil Spill and potential impact to the Breton Sound Basin, the OCPR has decided that it would be in the best interest of all to keep the flow through the Caernarvon Structure at its maximum of 8,000cfs and forgo the Hydrodynamic Modeling that was taking place at the Project Site.
OCPR feels that, even though the impact of this maximum flow may not have a large positive impact on the Oil Spill, any impact at all will be of benefit.

I will contact you if there are any changes to the planned structure operation.

Tom

Thomas L. Bernard, P.E.
New Orleans Engineer Supervisor
Office of Coastal Protection & Restoration
2045 Lakeshore Drive, Suite 309
New Orleans, LA 70122

Off (504) 280-4071
Fax (504) 280-4066
Cell (504) 239-3951

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Chris Llewellyn/R6/USEPA/US
To: mwh4003@louisiana.edu
Cc: jwillis@louisiana.edu, Kenneth Teague/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/07/2010 04:17 PM
Subject: Oil Spill and Veg Demo

Mark,

I have been tasked with tracking the oil slick in relation to CWPPRA projects. I am not sure if you are aware that NOAA puts all of their 24, 48, 72hr forecasts on their situation report website. You can find it here:
http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY%28entry_subtopic_topic%29=entry_id,subtopic_id,topic_id&entry_id%28entry_subtopic_topic%29=809&subtopic_id%28entry_subtopic_topic%29=2&topic_id%28entry_subtopic_topic%29=1

I want to give you a heads up that the forecast is showing that some of the oil slick has made it west of Southwest Pass and based on the forecast,

it will be offshore, south of Port Fourchon on Saturday 5/8/10 at 0600 CDT. I have attached a copy of the forecast from the NOAA website. They update their 24, 48, 72hr forecasts everyday. I will continue to track it and keep you updated over the weekend if you wish. I am hoping that I will receive some satellite imagery of the area over the weekend from that area if there is a slick there. This is just an FYI email.

Also, if you receive any information on the location of any slicks west of Southwest Pass I would appreciate any information in order to validate the forecast. Information is sometimes difficult to come by since the CWPPRA program is a relatively low priority in relation to the other activities going on with the spill and clean up efforts but I still need to update my managers with the best available information.

If you have any questions shoot me an email. I plan on checking email over the weekend.

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: "Christopher F D'Elia" <cdelia@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/07/2010 08:31 PM
Subject: Re: EPA Request for Comments on Ocean Acidification & 303(d)

We are so oil focussed now that we may not be very helpful.

Sent from my HTC on the Now Network from Sprint!

----- Reply message -----

From: "Teague.Kenneth@epamail.epa.gov" <Teague.Kenneth@epamail.epa.gov>
Date: Mon, May 3, 2010 17:56
Subject: EPA Request for Comments on Ocean Acidification & 303(d)
To: "cdelia@lsu.edu" <cdelia@lsu.edu>

Hi Chris- I'm a DOCS alumnus and I just saw this on our website and thought some of the DOCS faculty might be interested.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/08/2010 12:23 PM
Subject: Disaster-driven paradigm shifts (conclusion)

Folks-

LINKS

Here's part two of the post on coastal paradigm shifts (levees and oil).

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

Fro Leonard Bahr <leonardbahr@gmail.com>

m:

To: "Sonnier, Alden" <asonnier@miswaco.com>

Cc: Rick Farmer <rick.farmer@crescentdrilling.com>, Steve StAmand <Steve.StAmand@centuryx.com>, "Neenan, Pete" <pneenan@miswaco.com>, trdarte@gmail.com, rvincent@petsec.com, Bob Freeman <bobfreeman@cox.net>

Dat 05/08/2010 02:29 PM

e:

Sub Re: Point of view, 5/6/10 "How bp pushed the tech envelope" times picayune

ject:

M Mr. Sonnier-

I I I promised to respond to your criticism of my quest column on BP technology in the Times-Picayune.

1) **Where were all the "experts" before the blowout?**: Studying the impacts of oil and gas operations on coastal Louisiana is exactly why I was hired by LSU in 1973 from grad school in Georgia. My scientist colleagues and I have been studying oil impacts and speaking out for many years - but neither the energy industry nor most state elected officials have been listening.

2) **My qualifications to comment on offshore oil technology**: I freely acknowledge that my 36 year experience working on Louisiana coastal issues and 7 years' working in other coastal states does not include a degree in petroleum engineering. That doesn't in the least diminish the value of what I understand about the enormous impacts of this failure.

3) **My time on offshore platforms**: Several overnight stays on the (now defunct) Freeport McMoran Sulfur platform off of Grand Isle and a helicopter trip with Governor Edwards and others to the LOOP platform.

4) **Oil producers have all the necessary knowledge and technology:** So why did this disaster happen and why have there been 39 gulf blowouts in the last 17 years?

5) **My "naivety" about BP's \$5.6 billion profits in 3 months:** I'm currently donating about 60 hours a week helping call attention to our coastal crises. To my knowledge neither BP nor its fellow oil giants has ever willingly contributed a penny for the 30% of their part of the 2,000 square miles (600 square miles) lost in the Louisiana coast since the 1940s. Lawsuit settlements don't count. Neither do Shell's sponsorship of the Jazz Fest or the America's Wetlands campaign. I'll give Shell token credit for a computer and plaque on the School of the Coast building at LSU. I don't see BP's flower logo anywhere except in advertising.

6) **Taxes paid by oil and gas:** I would bet that oil and gas has spent more money in DC and Baton Rouge lobbying against taxes and regulations than have been actually paid in taxes. This state is currently cutting health care and education, Mr. Sonnier. As stated in no. 5 oil and gas has never paid for the permanent damage done to the coast.

7) **Foreign oil dependence:** You're preaching to someone who teaches an LSU correspondence course in basic environmental science in which I decry our dependence on foreign oil.

8) **My need for enlightenment:** See the attached graph.

Have a good weekend.

Len

On Thu, May 6, 2010 at 9:55 PM, Sonnier, Alden <asonnier@miswaco.com> wrote:
Mr. Bahr,

In reading your editorial in today's paper, I have a few questions. Excuse my demeanor, but I am not a scientist, nor a college graduate. I am a person who has worked in the oilfield all his life, with much of that time working in the commercial fishing industry. (35 years industry/23 years commercial fishing)

My oilfield "family" is still reeling from this tragedy, Mr. Bahr. Besides working 24/7 to get this well under control, we are all praying for the families who lost loved ones, and for the quick resolution to this environmental catastrophe. As I will try to point out, this is not how we typically do business.

I have an interest in all the publicity regarding the catastrophe for two reasons. 1. I lost some co-workers in the accident and 2. I am astonished at all the experts on oil and gas exploration that have popped up. Where were they before the tragedy, when we could have used their help???

When you speak of marine science, which you have a PhD in, I am going to assume that you have some expertise in that field. Any article that you would sign your name to regarding marine science would have to be taken seriously, given your credentials.

So how does this make you qualified to comment intelligently on what BP does, or on any other oil company that operates in deep water? How much time have you devoted investigating the technologies that make deepwater drilling a safe, viable and profitable business? Have you ever been on one of the "crowded, workshop/office dormitories" that you described in your article? Please explain in your response.

You are correct that it requires amazing expertise to perform some of the feats required to drill and produce these type of wells, but Mr. Bahr, we have the technology! You would be amazed at what \$700,000 per day will purchase these days! Adding all the costs from the various support teams required, before you know it, we are talking real money....

What this rig was doing is done in our business every day, all over the gulf, and the world. This particular rig had done it for 8 years straight, without a lost time accident, working for BP.

Just like modern medicine, modern aviation, modern warfare, the space program, and many other high technology

businesses, you need a little training to be good at it. Just as you would marvel at our technologies and safety records (if you took the time to study them) I marvel at the stuff my son is learning in medical school. Technology never sleeps.

Besides misleading your audience with your alleged knowledge of the oil business, you have attempted to mislead them on the profits that this industry makes. Are you aware that the average net profit of the oil & gas business is less than 10%? \$5.6 billion sounds like a lot of money, if you don't consider the capitol/risk laid down in order to make it.

Given that BP (and other oil companies that do business in La.) are making large amounts of profit, do you consider the taxes that they pay? Knowing that La. is ranked nearly last in every category that can be categorized, remove their tax dollars and the high paying jobs that they support, and we would really be in a pickle, as I see it.

Are you also aware of the safety records for the contractors that do this work, and for BP itself? Google it, Mr. Bahr.....enlightenment is a wonderful thing.

How about the need for domestic oil production? Do you feel that this is a worthwhile venture, or should we continue to rely on foreign oil as our preferred source? How important would you consider domestic oil in regards to national defense??

I was told once by a boss to never bring forth a problem without at least 2 workable solutions. I will ask the same of you. You identified the problem, now give us a solution that is viable, and that we all can live with.

The days of "easy oil" are over here in America, and also other parts of the world, Mr. Bahr. We are currently exploring technologies in our industry that in a few years will make the stuff we do in deepwater now look very antiquated. People can get on board this train, or they can "get off the grid", build their solar panels and wind mills. Unfortunately, the world is moving faster, not slower. Study what the expected demands will be for oil in a few

years, and ponder how we will survive without it. Becoming a third world country does not interest me in the least.

If you are interested, you can begin your journey to enlightenment. In August, there will be a "Deepwater Symposium" held in New Orleans (www.deepwaterola.org) that you can attend. It is being sponsored by an organization that can also offer you some pertinent information, the AADE (American Association of Drilling Engineers). The organization's website is www.aade.org. We discuss the latest and greatest technologies that will help us find that more difficult oil, deliver it safely, and that will assist in training the individuals who will spearhead these quests.

Please contact me if I can be of any service.

Best regards,

Alden Sonnier

New Orleans, La

504-481-7045

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This email may have been monitored for policy compliance. [021216]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/10/2010 07:40 AM
Subject: BP bucks for barrier beaches?

Folks-

This post celebrates a promising state initiative.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Thomas Bernard <Thomas.Bernard@LA.GOV>
To:

To: Thomas Bernard <Thomas.Bernard@LA.GOV>, Andrew Barron <andrew@btnep.org>, "Anthony Roussel " <Anthony.Roussel@dhh.la.gov>, Brad Crawford/R6/USEPA/US@EPA, Bruce Champion <Bruce.Champion@LA.GOV>, Chuck Villarrubia <Chuck.Villarrubia@LA.GOV>, David Oge' <David.Oge@LA.GOV>, "David Walther " <David_Walther@fws.gov>, Dwight Bradshaw <Dwight.Bradshaw@LA.GOV>, Earl Matherne <ematherne@stcharlesgov.net>, "Frank Ellender " <Fellender@br-inc.com>, Garrett Broussard <Garrett.Broussard@LA.GOV>, "Gerald Breaux " <lpcaa2001@yahoo.com>, "Heather Warner-Finley " <hfinley@wlf.louisiana.gov>, Jason Adriance <jadriance@wlf.louisiana.gov>, Kenneth Teague/R6/USEPA/US@EPA, "Kermit Coulon " <Kcoulon@br-inc.com>, "Kerry St.Pe' " <kerry@btnep.org>, "Kevin Roy " <kevin_roy@fws.gov>, "Levy Brunet, Jr." <bfc@mobiletel.com>, Lonny Serpas <all1992@cs.com>, "Marnie Winter " <mwinter@jeffparish.net>, Michael Trusclair <michael.trusclair@la.usda.gov>, Mike Brown <Michael.T.Brown@mvn02.usace.army.mil>, "Pete Vujnovich, Jr. " <Pvujnovich@aol.com>, "Rachel Sweeney " <Rachel.Sweeney@noaa.gov>, "Richard Boe "

<Richard.E.Boe@mvn02.usace.army.mil>, Robert Champagne <rsb1326@aol.com>, Ted Falgout <tedf@portfourchon.com>, Vickie Duffourc <vickie.duffourc@shawgrp.com>
Cc: Anthony Roussell <Anthony.Roussell@LA.GOV>, Chuck Villarrubia <Chuck.Villarrubia@LA.GOV>, Dwight Bradshaw <Dwight.Bradshaw@LA.GOV>, "Heather Finley
: (hfinley@wlf.la.gov)" <hfinley@wlf.la.gov>, Jason Andriance <jandriance@wlf.la.gov>, Levi Shelton <Levi.R.Shelton@usace.army.mil>, "Rodney F. Mach "
<Rodney.F.Mach@mvn02.usace.army.mil>, Al Naomi <Alfred.C.Naomi@mvn02.usace.army.mil>, "Barry Richard (DNR)" <Barry.Richard@LA.GOV>, Beau Martin
<beau@bjmartininc.com>, Brady Carter <Brady.Carter@LA.GOV>, Chris Knotts <Chris.Knotts@LA.GOV>, Chris Macaluso <Chris.Macaluso@LA.GOV>, Courtney Chatman
<courtney.d.chatman@mvn02.usace.army.mil>, Danielle Richardi <DRichardi@lumcon.edu>, Dave Schultz <biol-ds@nicholls.edu>, David Burkholder <David.Burkholder@LA.GOV>,
David Cresson <David@ccalouisiana.com>, David Miller <David.Miller@LA.GOV>, Davis Pond <dpond101@hotmail.com>, Fenstermaker <rgl@fenstermaker.com>, Garret Graves
<Garret@GOV.STATE.LA.US>, George Boddie <George.Boddie@LA.GOV>, Greg Laiche <glaiche@wlf.louisiana.gov>, Jack Killgore <Jack.Killgore@usace.army.mil>, Jan Hoover
<Jan.J.Hoover@usace.army.mil>, Jean Cowan <Jean.cowan@noaa.gov>, "John F. White" <john_white@mindspring.com>, John Lopez <johnlopez@pobox.com>, John Troutman
<John.Troutman@LA.GOV>, Kirk Rhinehart <Kirk.Rhinehart@LA.GOV>, Larry Ardoin <Larry.Ardoin@LA.GOV>, Lelsie Robichaux Suazo <lsuazo@tpcg.org>, Lori LeBlanc
<Lori.LeBlanc@LA.GOV>, Mark McElroy <mmcelroy@wlf.louisiana.gov>, Mark Schexnayder <mschexnayder@agcenter.lsu.edu>, Meg O'Connell <auzeeoco@uno.edu>, Melissa
Hymel <Melissa.Hymel@LA.GOV>, Peter Hopkins <Peter.Hopkins@LA.GOV>, Sandy Dares <idares@stcharlessheriff.org>, Sara Green <sgreen4@lsu.edu>, Simone Theriot
<simone.theriot@nicholls.edu>, "ssirmon@stcharlesgov.net" <ssirmon@stcharlesgov.net>, Steve Mathies <Steve.Mathies@LA.GOV>, Steven Peyronnin <stevenP@crcl.org>, Tim
Axtman <timothy.j.axtman@mvn02.usace.army.mil>, Timothy Landers/DC/USEPA/US@EPA, Tomma Barnes <tomma.k.barnes@mvn02.usace.army.mil>, Troy Constance
<troy.g.constance@mvn02.usace.army.mil>

Da 05/10/2010 08:24 AM

te:

Su RE: Davis Pond Flow Increase

bje

ct:

DPAC,

In accordance with my e-mail to you on Friday May 7th, the Davis Pond Freshwater Diversion Structure flow will be increased to its maximum capacity of 10,650cfs today at approximately 8:30 AM and will remain there until further notice.

If you have any questions or concerns, please contact me.

Tom

Thomas L. Bernard, P.E.

New Orleans Engineer Supervisor

Office of Coastal Protection & Restoration

2045 Lakeshore Drive, Suite 309

New Orleans, LA 70122

New Orleans, LA 70122

Off (504) 280-4071

Fax (504) 280-4066

Cell (504) 239-3951

Friday May 7, 2010

DPAC Members:

Because of some reports that the Oil Slick may be moving westerly and could possibly make its way to the Barataria Basin area, I have entered into discussions with the COE in regards to the possibility of increasing the DP flow slowly to its maximum of 10,650cfs should conditions dictate. As you know, we are now flowing at around 4,000cfs at DP. There are two COE contracts now ongoing on the DP ponding area levee. One is part of the West Bank and Vicinity Hurricane Protection Levee system. The other is the second/final lift on the West Guide Levee. According to the COE's Construction and H&H folks, and I agree, this increase should have little to no affect on the Hurricane Levee Construction Project. It may have some small affect on the West Guide Levee Enlargement contract which could lead to a contract time extension, which may increase the costs somewhat. That is why I propose to increase the flow slowly so that we can monitor that area and flow accordingly to omit the possibility of contractor delay. Salinities are not extremely high; however, they are in the acceptable range.

I suggested to OCPH management, and they agreed, that we move the flow up to 7,500cfs immediately and monitor the effects through the weekend. We can further adjust the flow on Monday if conditions dictate.

Tom

Thomas L. Bernard, P.E.

New Orleans Engineer Supervisor

Office of Coastal Protection & Restoration

2045 Lakeshore Drive, Suite 309

New Orleans, LA 70122

Off (504) 280-4071

Fax (504) 280-4066

Cell (504) 239-3951

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US

From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Cc: Barbara Keeler/R6/USEPA/US@EPA
Date: 05/10/2010 08:30 AM
Subject: Re: Fw: MVN Media Analysis 9 May 10

I also question the proposed dimensions. I would recommend setting height/width targets based on some actual historical configuration. You would definitely want some variability too, especially going from gulf to sound side (e.g. beach, dune, supratidal, intertidal).

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Brad Crawford/R6/USEPA/US
To: Barbara Keeler/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/10/2010 08:11 AM
Subject: Fw: MVN Media Analysis 9 May 10

<>< ><> <>< ><> <>< ><>
Brad Crawford, P.E.
US EPA (6WQ-EC)

US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255
214.665.6689 fax
<>< ><> <>< ><> <>< ><>

"Know a tree by its fruit"

----- Forwarded by Brad Crawford/R6/USEPA/US on 05/10/2010 08:11 AM -----

Fro William Honker/R6/USEPA/US
m:

To: Karen McCormick/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Cc: Sharon Parrish/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, John Ettinger/R6/USEPA/US@EPA, "Ison, Dawn"
<Ison.Dawn@epa.gov>, Timothy Landers/DC/USEPA/US@EPA

Dat 05/09/2010 04:18 PM

e:

Sub Fw: MVN Media Analysis 9 May 10

ject:

All,

See the powerpoint below and the email chain regarding the proposed emergency barrier island restoration/extension proposal from Plaquemines Parish and the Dutch interests. I've got an email into OCPR asking if there's any more detailed info other than the powerpoint at this point, and I'll pass on any further info I receive.

Please review this information ASAP Monday and put together your thoughts as to what the critical issues would be that we would have to review if this goes forward on a fast track. Patty, you've probably got more barrier island experience than anyone else, so could you coordinate comments?

My initial list of issues that would need to be addressed is below:

- Availability and suitability of dredged material
- Vegetation plans

- Water exchange - chemical and biological impacts
- Impacts on fish and shellfish
- Navigation impacts
- O&G pipelines/infrastructure impacts
- Cost - any estimates, based on 86 miles long x 200 feet wide X 3 feet above water?

Here's the latest powerpoint I have seen that describes the Dutch proposal

[attachment "Save the Delta 2.ppt" deleted by Kenneth Teague/R6/USEPA/US]

William K. (Bill) Honker, P.E.
Deputy Director, Water Quality Protection Division
EPA Region 6 - Dallas, TX
Phone 214-665-3187
Fax 214-665-7373
Cell 214-551-3619

----- Forwarded by William Honker/R6/USEPA/US on 05/09/2010 03:51 PM -----

Fw: MVN Media Analysis 9 May 10

Lee, Alvin B COL MVN

to: Miles.Croom, jim_boggs, William Honker

05/09/2010 08:06 AM

Cc: "Holden, Thomas A MVN"

Gentlemen,

Plaquemines Parish is developing a plan to present to BP on Monday to try and gain their approval to reestablish a continuous line of Barrier Island from approx. Grand Isle to the birds foot delta and east from the birds foot to the Chandelier islands. I will forward you the Dutch proposal that was provided to the State of LA that is referenced in the news media analysis below. There is also an article this morning in Tree Hugger.com that talks about Governor Jindals plan for 12 sites along the gulf coast.

This is for your situational awareness as if PPG does pursue this plan, an emergency permit would be required with interagency coordination.

Please let your folks know this is coming. The plan was briefed to President Obama, Ms. Lisa Jackson, ADM Allen, and NOAA last week when they were in Plaquemines Parish.

The subsequent emails will better explain the concept.

V/R

AI

Message sent via my BlackBerry Wireless Device

From: Poche, Rene G MVN

Sent: Sun May 09 07:29:17 2010

Subject: MVN Media Analysis 9 May 10

SUMMARY

Jindal, Nungesser propose building barrier islands

Dredges could shield wetlands, they say

The Times Picayune (Chris Kirkham)

Gov. Bobby Jindal and Plaquemines Parish President Billy Nungesser said Saturday that they have proposed a plan to BP and the Coast Guard to use as many as 12 dredges over the next few months to build up deteriorating barrier islands in an attempt to prevent oil from getting into the state's wetlands.

The concept described by Jindal and Nungesser would be akin to a massive, natural protective boom meant to capture the oil before it gets into the labyrinth of wetlands and estuaries in Breton Sound or Barataria Basin.

Such an undertaking would be the most rapid and widescale coastal restoration effort ever undertaken in Louisiana, and it would raise numerous environmental and regulatory questions.

The plan was derived from two Dutch organizations: Deltares, a research institute studying deltas, and Van Oord, a dredging company. The governor's office and Plaquemines officials forwarded a draft plan to BP last week.

Ambitious dredging projects such as this normally require months, if not years, of environmental and regulatory review. Jindal and Nungesser said they are working with the Army Corps of Engineers to see whether those hurdles can be cleared in a few weeks.

BP, the Coast Guard and the corps would ultimately have to sign off on such a plan, with BP putting up the money as the party responsible for the disaster. **FOR SITUATIONAL AWARENESS**

The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill

Deepwater Horizon Incident Joint Information Center

Department of the Interior Assistant Secretary for Fish and Wildlife and Parks Tom Strickland and National Parks Service Director John Jarvis surveyed the impact of the oil spill on natural resources in the Gulf Islands. In total, 310 DOI personnel have been deployed as part of the oil spill response, representing the DOI Gulf Leadership Team, FWS, MMS, NPS and the DOI Office of Emergency Management.

The U.S. Geological Survey Oil Response Team was activated to communicate and coordinate daily response activities, including supplying biologic, coastal geology, hydrology and geographic data to other agencies, partners, and emergency responders.

NOAA's Damage Assessment Remediation and Restoration Program is coordinating an assessment of damage to natural resources with federal partners, BP (as the responsible party), and trustees in Louisiana, Alabama, Mississippi and Florida. Multiple agencies from each state are engaged. This assessment will gauge impacts to fish, shellfish, marine mammals, turtles, birds and other sensitive resources as well as their habitats, including wetlands, beaches, mudflats, bottom sediments, corals and the water column. The trustees will also assess any lost human uses of these resources, for example, fishing, hunting, and beach recreational closures. The trustees are also assessing the efficacy of evaluating impacts from the response, including burning, and dispersant use at the surface and at depth.

Natural Resource Damage Assessment (NRDA) is a legal process to determine the type and amount of restoration needed to compensate the public for harm to natural resources and their human uses that occur as a result of an oil spill. **FOR SITUATIONAL AWARENESS**

Local projects remain in construction budget

Houma Courier (Jeremy Alford)

Despite an ailing economy and new rules regarding the state's annual construction plan, the major projects being pushed by the Houma-Thibodaux delegation appear safe for the session.

construction budget. It's also known as the capital outlay bill and includes millions of dollars for projects in Terrebonne and Lafourche parishes.

Rep. Gordon Dove, R-Houma, chairman of the House Natural Resources Committee, said the delegation has secured \$24 million for the Morganza-to-the-Gulf hurricane-protection system.

He said Morganza has been successful in scoring money because it has so many pieces ready to proceed.

Once again, hurricane-protection, flood-control and coastal-restoration initiatives are recurring themes among local projects.

There's \$1 million to study the deepening of the Houma Navigational Canal, \$2.4 million for the Donaldsonville-to-the-Gulf flood study, \$1 million for the planning of the Company Canal Pump Station and \$1 million for improvements to the Lockport and Larose levee and pump stations. **FOR SITUATIONAL AWARENESS**

COMPLETE STORIES

Jindal, Nungesser propose building barrier islands

Dredges could shield wetlands, they say

The Times Picayune (Chris Kirkham)

For years, state officials, scientists and coastal residents have made numerous pleas to the federal government for money to restore Louisiana's barrier islands.

In the midst of a catastrophic oil spill in the Gulf of Mexico, they may finally get their wish, but through highly unconventional means.

Gov. Bobby Jindal and Plaquemines Parish President Billy Nungesser said Saturday that they have proposed a plan to BP and the Coast Guard to use as many as 12 dredges over the next few months to build up deteriorating barrier islands in an attempt to prevent oil from getting into the state's wetlands.

The concept described by Jindal and Nungesser would be akin to a massive, natural protective boom meant to capture the oil before it gets into the labyrinth of wetlands and estuaries in Breton Sound or Barataria Basin.

"It's so much easier for us to clean the oil off this sand rather than having to deal with it in our interior wetlands and our marshes, and it would also provide a natural defense against future hurricane and storm systems," Jindal said. He estimated that the dredges could be mobilized within

weeks and the project completed in four to six months.

Such an undertaking would be the most rapid and widescale coastal restoration effort ever undertaken in Louisiana, and it would raise numerous environmental and regulatory questions.

Nungesser and officials with the governor's office will meet with the Coast Guard and BP on Monday to discuss the idea, which Jindal estimated would cost hundreds of millions of dollars.

The plan was derived from two Dutch organizations: Deltares, a research institute studying deltas, and Van Oord, a dredging company. The governor's office and Plaquemines officials forwarded a draft plan to BP last week.

The plan focuses on a "shortened coastline" for Louisiana that would fill in gaps in both the Chandeleur Island chain and shorelines for the Barataria Basin between Grand Isle and the Mississippi River.

Nungesser has been proposing a barrier island restoration plan for the past few years, as part of a coastal restoration and storm-protection initiative that Plaquemines has been discussing with the state's Coastal Protection and Restoration Authority.

"This is nothing new. Plaquemines Parish has been working on this plan for 3-1/2 years," Nungesser said. "All we're doing is extending it to our neighboring parishes and doing it quickly."

The new plan, however, would not be a traditional coastal restoration project, but rather an oil-protection barrier.

Ambitious dredging projects such as this normally require months, if not years, of environmental and regulatory review. Jindal and Nungesser said they are working with the Army Corps of Engineers to see whether those hurdles can be cleared in a few weeks.

There was some doubt among state coastal restoration experts Saturday about whether the plan would be feasible in such a short time. Typically the biggest challenge in a dredging project is finding the right mud or sand that will stand up to the waves and tidal movements of the Gulf.

"It's hard to imagine that something like that could be done very well in hopefully the very short time span we have here," said John Lopez, who directs the coastal sustainability program for the Lake Pontchartrain Basin Foundation. "Even for a short time, you can only pump so fast, and we could have a situation where as fast as you're pumping it, the faster it could wash away."

There are several plans for barrier island restoration projects on the books, including along Barataria Bay, so it is possible that project designs and sites for the mud already have been worked out.

Denise Reed, the interim director of the Pontchartrain Institute for Environmental Sciences at the University of New Orleans, said she likes the idea as a way to better manage the oil, saying: "This is a preventative measure. It's a way of putting a really huge boom out."

But she cautioned that it should not be considered a true coastal restoration project, and that as the disaster unfolds the state should be looking at a whole slate of options when it ultimately holds BP accountable for the environmental damage.

But she cautioned that it should not be considered a true coastal restoration project, and that as the disaster unfolds the state should be looking at a whole slate of options when it ultimately holds BP accountable for the environmental damage.

"The idea that at the end of this we might have an opportunity to really do something good for the coast, I think is something that should be on our minds," Reed said. "Whether this is that thing or not, I'm not sure that we're ready to be making that decision. I wouldn't want to think that doing this would get somebody off the hook."

BP, the Coast Guard and the corps would ultimately have to sign off on such a plan, with BP putting up the money as the party responsible for the disaster.

"I think it would be a wise investment to make," Jindal said. "The thing that makes the Louisiana coastline so complicated is that you could literally count up thousands and thousands of miles of interior coastline. I think you're much better off spending the energy, the time and resources keeping that oil out."

The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill

Deepwater Horizon Incident Joint Information Center

PAST 24 HOURS

Natural Resources Impact Assessments

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U.S. Geological Survey Oil Response Team Activated

The U.S. Geological Survey Oil Response Team was activated to communicate and coordinate daily response activities, including supplying biologic, coastal geology, hydrology and geographic data to other agencies, partners, and emergency responders.

Damage Assessment Activities

NOAA's Damage Assessment Remediation and Restoration Program is coordinating an assessment of damage to natural resources with federal partners, BP (as the responsible party), and trustees in Louisiana, Alabama, Mississippi and Florida. Multiple agencies from each state are engaged. This assessment will gauge impacts to fish, shellfish, marine mammals, turtles, birds and other sensitive resources as well as their

habitats, including wetlands, beaches, mudflats, bottom sediments, corals and the water column. The trustees will also assess any lost human uses of these resources, for example, fishing, hunting, and beach recreational closures. The trustees are also assessing the efficacy of evaluating impacts from the response, including burning, and dispersant use at the surface and at depth.

Natural Resource Damage Assessment (NRDA) is a legal process to determine the type and amount of restoration needed to compensate the public for harm to natural resources and their human uses that occur as a result of an oil spill.

Expanded Low-Interest Small Business Loans

SBA Administrator Karen Mills announced that SBA is making economic injury assistance available in 21 additional parishes for small businesses suffering financial losses following the Deepwater BP oil spill that shut down commercial and recreational fishing along the state's southeast coast. With these additions, SBA economic injury loans are now available in 34 Louisiana parishes and seven Mississippi counties.

Fishing Industry Engagement

NOAA Administrator Jane Lubchenco and her staff continue to meet with fishermen in the oil-affected area to listen to their concerns and share with them what NOAA scientists have learned so far about how the oil might be affecting their potential seafood catch.

NOAA Observational Flights

NOAA aircraft flew observational overflights of the oil spill, during which trained observers recorded locations of oil and affected wildlife. NOAA aircraft also flew coastal photography and mapping missions. A NOAA P-3 aircraft (one of NOAA's hurricane hunter aircraft) flew preparatory missions to calibrate trajectory models of the Gulf of Mexico Loop Current.

By the Numbers to Date:

- Personnel were quickly deployed and more than 10,000 are currently responding to protect the shoreline and wildlife.
- More than 270 vessels are responding on site, including skimmers, tugs, barges, and recovery vessels to assist in containment and cleanup efforts—in addition to dozens of aircraft, remotely operated vehicles, and multiple mobile offshore drilling units.

- Approximately 923,000 of feet of boom (regular and sorbent) have been deployed to contain the spill—and 1.3 million feet are available.
- Nearly 2.1 million gallons of an oil-water mix have been recovered.
- More than 290,000 gallons of dispersant have been deployed. More than 185,000 gallons are available.
- 10 staging areas have been set up to protect vital shoreline in all potentially affected Gulf Coast states (Biloxi, Miss., Panama City, Fla., Pensacola, Fla., Pascagoula, Miss., Dauphin Island, Ala., Port Sulphur, La., Shell Beach, La., Slidell, La., Port Fourchon, La., Venice, La.).

Local projects remain in construction budget

Houma Courier (Jeremy Alford)

BATON ROUGE — Despite an ailing economy and new rules regarding the state's annual construction plan, the major projects being pushed by the Houma-Thibodaux delegation appear safe for the session.

That's not to say, however, that lawmakers are getting everything they want this year.

"There's never enough money to address all the issues in the region," said Rep. Joe Harrison, R-Napoleonville, who represents portions of Terrebonne Parish, "especially this year."

The state is currently facing a \$319 million budget deficit for the current fiscal year and a \$3 billion shortfall is expected over the next two years.

While that challenge will be addressed in House Bill 1, the state's operating budget, lawmakers got to work this week on House Bill 2, the state's construction budget. It's also known as the capital outlay bill and includes millions of dollars for projects in Terrebonne and Lafourche parishes.

Commissioner of Administration Angele Davis said Louisiana will have to borrow about \$320 million next year to move the plan forward when the new fiscal year begins July 1, but it's a far cry from the billions of dollars in projects lawmakers have requested.

"We are very limited," she told the House Ways and Means Committee, which drafts HB 2.

The capital outlay bill is traditionally divided into phases, or priorities, but most of the local projects are defined as "P1," meaning the money will become available within the next year.

A few others have lines of credit that extend into future years.

While other regional delegations are scrambling to get projects included in the budget, the Houma-Thibodaux delegation has coalesced behind two major projects that appear safe for the session.

The John Folse Culinary Institute on the campus of Nicholls State University in Thibodaux has \$4.5 million in the construction budget ready to go,

plus another \$5.7 million scheduled for future years.

Other planned spending for Nicholls include \$260,000 for electrical upgrades and \$14.8 million for renovations to Beauregard Hall.

At L.E. Fletcher Technical Community College in Houma, there's \$370,000 set aside for a new building to house a diesel marine, welding and transportation program.

Rep. Gordon Dove, R-Houma, chairman of the House Natural Resources Committee, said the delegation has secured \$24 million for the Morganza-to-the-Gulf hurricane-protection system.

He said Morganza has been successful in scoring money because it has so many pieces ready to proceed.

"The big deal this year is the administration wanted to know that the money they're putting can be spent in the next year," Dove said. "If your project wasn't ready, then you had no choice but to wait until next year."

Once again, hurricane-protection, flood-control and coastal-restoration initiatives are recurring themes among local projects.

There's \$1 million to study the deepening of the Houma Navigational Canal, \$2.4 million for the Donaldsonville-to-the-Gulf flood study, \$1 million for the planning of the Company Canal Pump Station and \$1 million for improvements to the Lockport and Larose levee and pump stations.

The Leonard J. Chabert Medical Center in Houma is another winner. Within the next year it could receive \$250,000 for a levee, \$1.7 million for a medical-records storage building and \$420,000 for elevator upgrades.

Of course, just like everything else in the capital-outlay bill, the projects still have to pass muster with the House and Senate, and then the Governor's Office and finally, later this fall, the state Bond Commission.

Other local projects in HB 2 include:

- \$25,000 to help renovate Terrebonne Mental Health Center.

- \$985,000 for a new South Louisiana Human Services Authority administrative building in Terrebonne Parish.

- \$13 million for the Terrebonne Port Commission to oversee bulkheads, land upgrades, bank stabilization, navigational improvements, dredging, drainage, sewerage, slips for dry-docks and other related work.

- \$720,000 to plan and build the Bayou Terrebonne Boardwalk.

- \$250,000 to extend Thompson Road in Houma.
- \$650,000 for an emergency generator at Peltier Lawless Developmental Center in Lafourche Parish.
- \$75,000 for the E.D. White historic site.
- \$100,000 for an emergency generator at the Lockport Wastewater Treatment Plant.
- \$500,000 to replace the Tiger Drive Bridge in Thibodaux, with another \$1.2 million scheduled for future years.
- \$300,000 for the South Louisiana Development Council's Center for Economic Growth and Technology.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/10/2010 08:31 AM
Subject: Fw: Davis Pond Flow Increase

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/10/2010 08:31 AM -----

Fr Thomas Bernard <Thomas.Bernard@LA.GOV>
o
m:

To Thomas Bernard <Thomas.Bernard@LA.GOV>, Andrew Barron <andrew@btnep.org>, "Anthony Roussell " <Anthony.Roussell@dhh.la.gov>, Brad Crawford/R6/USEPA/US@EPA, Bruce Champion <Bruce.Champion@LA.GOV>, Chuck Villarrubia <Chuck.Villarrubia@LA.GOV>, David Oge' <David.Oge@LA.GOV>, "David Walther " <David_Walther@fws.gov>, Dwight Bradshaw <Dwight.Bradshaw@LA.GOV>, Earl Matherne <ematherne@stcharlesgov.net>, "Frank Ellender " <Fellender@br-inc.com>, Garrett Broussard <Garrett.Broussard@LA.GOV>, "Gerald Breaux " <lpcaa2001@yahoo.com>, "Heather Warner-Finley " <hfinley@wlf.louisiana.gov>, Jason Adriance <jadriance@wlf.louisiana.gov>, Kenneth Teague/R6/USEPA/US@EPA, "Kermit Coulon " <Kcoulon@br-inc.com>, "Kerry St.Pe' " <kerry@btnep.org>, "Kevin Roy " <kevin_roy@fws.gov>, "Levy Brunet, Jr." <bfc@mobiletel.com>, Lonny Serpas <all1992@cs.com>, "Marnie Winter " <mwinter@jeffparish.net>, Michael Trusclair <michael.trusclair@la.usda.gov>, Mike Brown <Michael.T.Brown@mvn02.usace.army.mil>, "Pete Vujnovich, Jr. " <Pvujnovich@aol.com>, "Rachel Sweeney " <Rachel.Sweeney@noaa.gov>, "Richard Boe " <Richard.E.Boe@mvn02.usace.army.mil>, Robert Champagne <rsb1326@aol.com>, Ted Falgout <tedf@portfourchon.com>, Vickie Duffourc <vickie.duffourc@shawgrp.com>

Cc Anthony Roussell <Anthony.Roussell@LA.GOV>, Chuck Villarrubia <Chuck.Villarrubia@LA.GOV>, Dwight Bradshaw <Dwight.Bradshaw@LA.GOV>, "Heather Finley (hfinley@wlf.la.gov)" <hfinley@wlf.la.gov>, Jason Andriance <jandriance@wlf.la.gov>, Levi Shelton <Levi.R.Shelton@usace.army.mil>, "Rodney F. Mach " <Rodney.F.Mach@mvn02.usace.army.mil>, Al Naomi <Alfred.C.Naomi@mvn02.usace.army.mil>, "Barry Richard (DNR)" <Barry.Richard@LA.GOV>, Beau Martin <beau@bjmartininc.com>, Brady Carter <Brady.Carter@LA.GOV>, Chris Knotts <Chris.Knotts@LA.GOV>, Chris Macaluso <Chris.Macaluso@LA.GOV>, Courtney Chatman <courtney.d.chatman@mvn02.usace.army.mil>, Danielle Richardi <DRichardi@lumcon.edu>, Dave Schultz <biol-ds@nicholls.edu>, David Burkholder <David.Burkholder@LA.GOV>, David Cresson <David@ccalouisiana.com>, David Miller <David.Miller@LA.GOV>, Davis Pond <dpond101@hotmail.com>, Fenstermaker <rgl@fenstermaker.com>, Garret Graves <Garret@GOV.STATE.LA.US>, George Boddie <George.Boddie@LA.GOV>, Greg Laiche <glaiche@wlf.louisiana.gov>, Jack Killgore <Jack.Killgore@usace.army.mil>, Jan Hoover <Jan.J.Hoover@usace.army.mil>, Jean Cowan <Jean.cowan@noaa.gov>, "John F. White" <john_white@mindspring.com>, John Lopez <johnlopez@pobox.com>, John Troutman <John.Troutman@LA.GOV>, Kirk Rhinehart <Kirk.Rhinehart@LA.GOV>, Larry Ardoin <Larry.Ardoin@LA.GOV>, Lelsie Robichaux Suazo <lsuazo@tpcg.org>, Lori LeBlanc <Lori.LeBlanc@LA.GOV>, Mark McElroy <mmcelroy@wlf.louisiana.gov>, Mark Schexnayder <mschexnayder@agcenter.lsu.edu>, Meg O'Connell <auzeeoco@uno.edu>, Melissa Hymel <Melissa.Hymel@LA.GOV>, Peter Hopkins <Peter.Hopkins@LA.GOV>, Sandy Dares <idares@stcharlessheriff.org>, Sara Green <sgreen4@lsu.edu>, Simone Theriot <simone.theriot@nicholls.edu>, "ssirmon@stcharlesgov.net" <ssirmon@stcharlesgov.net>, Steve Mathies <Steve.Mathies@LA.GOV>, Steven Peyronnin <stevenP@crcl.org>, Tim Axtman <timothy.j.axtman@mvn02.usace.army.mil>, Timothy Landers/DC/USEPA/US@EPA, Tomma Barnes <tomma.k.barnes@mvn02.usace.army.mil>, Troy Constance <troy.g.constance@mvn02.usace.army.mil>

Da 05/10/2010 08:24 AM
te:

Su RE: Davis Pond Flow Increase
bjc
ct:

DPAC,

In accordance with my e-mail to you on Friday May 7th, the Davis Pond Freshwater Diversion Structure flow will be increased to its maximum capacity of 10,650cfs today at approximately 8:30 AM and will remain there until further notice.

If you have any questions or concerns, please contact me.

Tom

Thomas L. Bernard, P.E.
New Orleans Engineer Supervisor
Office of Coastal Protection & Restoration
2045 Lakeshore Drive, Suite 309
New Orleans, LA 70122

Off (504) 280-4071
Fax (504) 280-4066
Cell (504) 239-3951

Friday May 7, 2010

DPAC Members:

Because of some reports that the Oil Slick may be moving westerly and could possibly make its way to the Barataria Basin area, I have entered into discussions with the COE in regards to the possibility of increasing the DP flow slowly to its maximum of 10,650cfs should conditions dictate. As you know, we are now flowing at around 4,000cfs at DP. There are two COE contracts now ongoing on the DP ponding area levee. One is part of the West Bank and Vicinity Hurricane Protection Levee system. The other is the second/final lift on the West Guide Levee. According to the COE's Construction and H&H folks, and I agree, this increase should have little to no affect on the Hurricane Levee Construction Project. It may have some small affect on the West Guide Levee Enlargement contract which could lead to a contract time extension, which may increase the costs somewhat. That is why I propose to increase the flow slowly so that we can monitor that area and flow accordingly to omit the possibility of contractor delay. Salinities are not extremely high; however, they are in the acceptable range.

I suggested to OCPD management, and they agreed, that we move the flow up to 7,500cfs immediately and monitor the effects through the weekend. We can further adjust the flow on Monday if conditions dictate.

Tom

Thomas L. Bernard, P.E.
New Orleans Engineer Supervisor
Office of Coastal Protection & Restoration
2045 Lakeshore Drive, Suite 309
New Orleans, LA 70122

Off (504) 280-4071
Fax (504) 280-4066

Fax (504) 280-4066

Cell (504) 239-3951

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Barbara Keeler/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA
Date: 05/10/2010 08:18 AM
Subject: Re: Fw: coastal plan

-
- **This does not look like the levee/"ridge" proposal they were promoting in the past .** This looks to me like a simple Chandeleur restoration effort, which is much more reasonable than the levee/"ridge" proposals. That said, there are questions of whether it makes sense to restore the Chandeleurs.
 - First, we need to get expert opinions on the value of restoring the Chandeleurs. The direct habitat value is one thing, but there has been some difference of opinion regarding whether the Chandeleurs provide any storm damage protection/ estuarine/marine separation, as do the Isles Dernieres, for example. I believe that Shea Penland and Greg Stone had different opinions on this (Shea was in favor of restoring them). I think the State's Barrier Island Feasibility Study looked at this some years ago. I recommend somebody go back and read what it said.
 - I don't know if anybody has identified sand sources in these areas or not. Somebody should look at the feasibility/cost of using the Mobile sand.
 - The costs look ridiculously-low.
 - If it is done, there should be vegetative plantings and sand fencing installed.
 - There may be problems doing this here due to Wilderness designation.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/10/2010 08:07 AM
Subject: Fw: coastal plan

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/10/2010 08:06 AM -----

Fw: coastal plan

Karen McCormick

to: Barbara Keeler

05/08/2010 08:59 AM

FYI. - it is beginning to rear its ugly head for the proposed "levee" in Plaquemines....

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: William Honker

Sent: 05/08/2010 08:53 AM CDT

To: Al Armendariz

Cc: Ettinger.John@mailhub.epa.gov@EPA; Jane Watson; Karen McCormick; Flores.Miguel@epamail.epa.gov@EPA;
Lawrence Starfield; Bryon Griffith; Jim Giattina

Subject: Fw: coastal plan

Al,

FYI, Col. Lee called me yesterday and told me he had met with Nungesser about this plan. Col. Lee said the rebuilt island chain would be 86 miles long, 200 feet wide, and 3 feet above the water line. No dollar estimate was given, but the cost would be very high - our barrier island rebuilding projects have cost about \$30M each, for up to 5 miles of island restoration, so I would guesstimate a \$300M - \$400M pricetag for this work. Col. Lee said Nungesser plans to request that BP pay for this.

If BP were to agree (I would guess that's unlikely), we and the other federal agencies would have to do at least a quick review of impacts on the environment, navigation, commerce, etc. I'll see if I can get a reading from Garret on the LA position on this. It looks like the proposal goes all the way to Mobile Bay, so MS and AL would also be impacted and would have to support.

William K. (Bill) Honker, P.E.
Deputy Director, Water Quality Protection Division
EPA Region 6 - Dallas, TX
Phone 214-665-3187
Fax 214-665-7373
Cell 214-551-3619

----- Forwarded by William Honker/R6/USEPA/US on 05/08/2010 08:37 AM -----

Fw: coastal plan

John Ettinger

to: Mr. William Honker

05/07/2010 06:43 PM

From: Al Armendariz
Sent: 05/07/2010 07:26 PM EDT
To: Allyn Brooks-LaSure; Sarah Pallone; John Ettinger
Subject: Fw: coastal plan

Fyi

From: Billy Nungesser [bnungesser@plaqueminesparish.com]

Sent: 05/07/2010 07:22 PM AST

To: Al Armendariz

Subject: coastal plan

Dear Mr. Armendariz:

I hope that you have had an opportunity to talk to Ms. Jackson about our plan to pump river sediment. I have enclosed an email that is going out and I will be meeting with the Governor tomorrow to discuss this further. I have attached the dredge plan that the Dutch have submitted and some comments about that plan. I look forward to discussing this with yourself and Ms. Jackson at your earliest convenience. I will be working through the weekend if you need to reach me. I can be reached through my 24hr line #504-297-5670 or my cell phone #504-329-1286.

Billy Nungesser, Parish President

Plaquemines Parish Government

8056 Highway 23, Suite 200

Belle Chasse, LA 70037

Office (504) 274-2461

Fax (504) 274-2463

email: bnungesser@plaqueminesparish.com

[attachment "Save the Delta 2.ppt" deleted by Kenneth Teague/R6/USEPA/US] [attachment "coastal plan.htm" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: "CERF Member Services" <membership@erf.org>

To: Kenneth Teague/R6/USEPA/US@EPA

Date: 05/10/2010 03:43 PM

Subject: Help CERF help the Gulf of Mexico

Dear Members,

CERF is engaged in bringing our expertise to bear on the Gulf of Mexico oil spill and bringing assistance to our affected members. Please respond to the requests below.

To volunteer in the region, use the volunteer tab on the web page for the US Unified Command for the spill, which provides the most comprehensive information: <http://www.deepwaterhorizonresponse.com/go/site/2931/>

Share your knowledge: <http://www.surveymonkey.com/s/RYQCQSK>

CERF members can provide help if you, our members, will share your time, knowledge and experience. CERF is creating a list of people who can offer relevant expertise and will post it on the CERF web site.

In addition if you are willing to serve as an information resource to others who are looking for answers and/or to the press, please provide your contact information and areas of major relevant expertise.

Share your needs: <http://www.surveymonkey.com/s/RS7RLHQ>

CERF members in the Gulf of Mexico region, what equipment, supplies or people to help do you need?

CERF will use the membership network to support you.

The incident will not be over soon and CERF will continue to develop mechanisms to best deploy our expertise. Joy Bartholomew is CERF's contact for any ideas or needs you have beyond the surveys above. The CERF Policy Committee, Governing Board members, and past and current officers are working on this endeavor.

Thank you for your time and ideas. Thank you to the members who have been providing expertise and responding to the media.

Sincerely,

Susan L. Williams
President 2009-2011
slwilliams@ucdavis.edu

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/10/2010 04:01 PM
Subject: Fw: Help CERF help the Gulf of Mexico

FYI, I am a member of this organization. Of course, I have not responded. But I thought this might be of interest.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/10/2010 03:59 PM -----

From: "CERF Member Services" <membership@erf.org>
To: Kenneth Teague/R6/USEPA/US@EPA

To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/10/2010 03:43 PM
Subject: Help CERF help the Gulf of Mexico

Dear Members,

CERF is engaged in bringing our expertise to bear on the Gulf of Mexico oil spill and bringing assistance to our affected members. Please respond to the requests below.

To volunteer in the region, use the volunteer tab on the web page for the US Unified Command for the spill, which provides the most comprehensive information: <http://www.deepwaterhorizonresponse.com/go/site/2931/>

Share your knowledge: <http://www.surveymonkey.com/s/RYQCQSK>

CERF members can provide help if you, our members, will share your time, knowledge and experience. CERF is creating a list of people who can offer relevant expertise and will post it on the CERF web site.

In addition if you are willing to serve as an information resource to others who are looking for answers and/or to the press, please provide your contact information and areas of major relevant expertise.

Share your needs: <http://www.surveymonkey.com/s/RS7RLHQ>

CERF members in the Gulf of Mexico region, what equipment, supplies or people to help do you need?

CERF will use the membership network to support you.

The incident will not be over soon and CERF will continue to develop mechanisms to best deploy our expertise. Joy Bartholomew is CERF's contact for any ideas or needs you have beyond the surveys above. The CERF Policy Committee, Governing Board members, and past and current officers are working on this endeavor.

Thank you for your time and ideas. Thank you to the members who have been providing expertise and responding to the media.

Sincerely,

Susan L. Williams
President 2009-2011
slwilliams@ucdavis.edu

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From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/11/2010 07:56 AM
Subject: epa oceanographers

It occurred to me that you need to be very specific about what kind of oceanographer you're looking for. My guess is you're looking for a physical oceanographer. I don't think EPA has any of those, but I could be wrong. Its probably more important to be specific about the discipline you're looking for, rather than people who specialize specifically in the ocean vs coastal waters. Usually, people who specialize in water movement in estuaries are qualified to talk about water movement in the oceans too. Similarly, people who work on the ecology of estuaries sometimes also work in the ocean. I wouldn't get too wrapped around the axle about the term "oceanographer". Rather, I would try to be clear about what kind of expertise it is you're looking for. If you don't know, then you have a problem.

As I said, I know that Rick Green and Mike Murrell of Gulf Breeze Lab, are Biological Oceanographers by training, and have PhD's.

Jim Hagy at Gulf Breeze is an Estuarine Ecologist, and has a PhD. To my knowledge though, he is not technically an oceanographer.

I also looked at the coastal labs' staff listings and found a few others whom I don't know, that appear to be oceanographers:

Cheryl Brown- Western Ecology Division, Corvallis- I think she's a biological oceanographer. She did get her degree from Texas A&M, so she probably knows about the Gulf, in spite of her western location.

David Young- Western Ecology Division, Corvallis- Apparently trained in chemical oceanography, Scripps. I don't know him.

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Mark W Hester <mwh4003@louisiana.edu>

To: Brad Crawford/R6/USEPA/US@EPA

Cc: Brad Miller <Brad.Miller@LA.GOV>, Darin Lee <Darin.Lee@LA.GOV>, Jerry Carroll <Jerry.Carroll@LA.GOV>, Mark Hester <mhester@louisiana.edu>, Kenneth Teague/R6/USEPA/US@EPA

Date: 05/12/2010 08:27 AM

Subject: Re: Whiskey Island vs Oil Impacts

ct:

Hi Brad C.,

Left cell message yesterday eve. YES, my lab is out there planting demo sea oats; and YES, they verified

that there is some oil on the Whiskey Is. beach but not marsh/backside. I may get some dig. pics sent to me tonight from them -if so, will forward on. My lab manager, Jonathan, is in contact with Cassidy daily - understanding is booms may be deployed, but would take several days to do so. We can complete the sea oats portion of the demo by Friday (other plants not yet available from contract grower, so we would like to complete the sea oats planting, baseline soil/plant sampling, and trt applications this week to min. further delays).

Cell best contact method for me -right arm out of service since Monday tendon re-attachment surgery. . . can't get Dragon speak voice recognition software working yet . . .

Best,
Mark

----- Original Message -----

From: "Crawford Brad" <Crawford.Brad@epamail.epa.gov>
To: "Brad Miller" <Brad.Miller@LA.GOV>, "Dr Mark Hester" <mhester@louisiana.edu>, "Darin Lee" <Darin.Lee@LA.GOV>, "Jerry Carroll" <Jerry.Carroll@LA.GOV>
Sent: Tuesday, May 11, 2010 12:46:37 PM GMT -06:00 US/Canada Central
Subject: Whiskey Island vs Oil Impacts

All....

We have received a "situational report" from FWS which indicates that the oil spill has reached Whiskey Island. I have been instructed to follow up and confirm whether or not there has been an impact and try to determine if the project features are in jeopardy. It is my understanding that the planters may be out there now and could verify the information. Pictures would be great if available.

It is also my understanding that we may have recourse to apply mitigation measures should they be needed (e.g. oil booms). Let me know asap your thoughts on the matter. Let me know if a trip to the island is warranted.

We are from the federal government and are here to help.

Please let me know what you know asap....

Thanks..

<> <> <> <> <> <>
Brad Crawford, P.E.
US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255

214.665.6689 fax
<>< ><> <>< ><> <>< ><>
"Know a tree by its fruit"

--
Mark W. Hester
Coastal Plant Ecology Lab
Biology Department
University of Louisiana at Lafayette
PO Box 42451
Lafayette, LA 70504-2451
Email: mhester@louisiana.edu
Office: (337) 482-5246
Cell: (504) 237-1151

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From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA
Date: 05/12/2010 08:43 AM
Subject: Fw: Whiskey Island vs Oil Impacts

Brad- Could you copy me on this kind of stuff? I have a project on Whiskey too.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
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From: Sharon Parrish/R6/USEPA/US
To: R6 6WQ-EC, R6 6WQ-EM, R6 6WQ-EA, R6 6WQ-EW, R6 6WQ-E
Date: 05/12/2010 10:48 AM
Subject: Fw: overtime & regular hours for oil spill

----- Forwarded by Sharon Parrish/R6/USEPA/US on 05/12/2010 10:47 AM -----

From: Sherry Lawrence/R6/USEPA/US

Subject:

To: Dawn Ison/R6/USEPA/US@EPA, Blake Atkins/R6/USEPA/US@EPA, Lisa Pham/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Joshua Waldmeier/R6/USEPA/US@EPA, Isaac Chen/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Scott Stine/R6/USEPA/US@EPA, Larry Giglio/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Robert Kirkland/R6/USEPA/US@EPA, Angel Kosfischer/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

cc: Gaynelle Redd/R6/USEPA/US@EPA, Blake Atkins/R6/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, James Brown/R6/USEPA/US@EPA, Jenaie Franke/R6/USEPA/US@EPA, Maurice Rawls/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Philip Dellinger/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Richard Wooster/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Curry Jones/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Olivia-R Balandran/R6/USEPA/US@EPA, Troy Hill/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Marya Stanton/R6/USEPA/US@EPA, Dora Rodriguez/R6/USEPA/US@EPA, Lashunda Brown/R6/USEPA/US@EPA, Suea Davis/R6/USEPA/US@EPA, Maria Moreno/R6/USEPA/US@EPA, Natalie Berry/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Dina Granado/R6/USEPA/US@EPA, Mary LaBorn/R6/USEPA/US@EPA, Teresa Clark/R6/USEPA/US@EPA, Alice Johnson/R6/USEPA/US@EPA

Date: 05/12/2010 10:46 AM

Time:

Subject: overtime & regular hours for oil spill

cc:

cc:

Reimbursable account are setup in people plus favorites for employees working on the DWH response.

*Overtime Hours and Regular(basic pay) Hours can be charged to the oil spill account.
Employees that worked on the oil spill last payperiod should prepare an amendment to their people
plus.
If you need assistance accessing the account, please call Sherry L. x8135. Thanks.*

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

Fro Chris Llewellyn/R6/USEPA/US

m:

To: Barbara Keeler/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen
Bainter/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA

Da 05/12/2010 02:26 PM

te:

Su WQ Situation Report #9 (5/12/10)

bje

ct:

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Paul Kaspar/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/12/2010 10:35 PM
Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

John,

We have completed the following 6 barrier island projects:

TE-20, Isles Dernieres Restoration East Island
TE-24, Isles Dernieres Restoration Trinity Island
TE-27, Whiskey Island Restoration
TE-37, New Cut Dune and Marsh Restoration
TE-45A, Timbalier Island Dune and Marsh Creation
TE-50 Whiskey Island Back Barrier Marsh Creation

I believe this is the only piece of information you were looking for. For reference, I've attached the spill situational report being maintained by Chris Llewellyn this week. It looks like he has identified all of the CWPPRA barrier island projects.

Let me know if you need anything else.

Paul F. Kaspar
Marine & Coastal Section
U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459

phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

From: Jane Watson/R6/USEPA/US
To: Kaspar.paul@epa.gov
Cc: "John Ettinger" <Ettinger.John@EPA.GOV>
Date: 05/12/2010 09:44 PM
Subject: Fw: Draft Initial Comments to Corps on Sand Barrier

Pay' c, you send John the Q of completed EPA barrier island projects ASAP tomorrow morning? See blank in text below referencing projects. Thanks Jane

From: John Ettinger
Sent: 05/12/2010 06:58 PM CDT
To: William Honker; Karen McCormick; Sharon Parrish; Jane Watson
Subject: Draft Initial Comments to Corps on Sand Barrier

Bill,

Attached is a rough first draft. Clay Miller asked for our thoughts as soon as possible tomorrow morning, as Denise Keehner needs to get something to Bob Perciasepe as early as noon. Please forgive any typos and such. I wanted to give you as much time as possible to review it. Please do not hesitate to call and/or e-mail tonight.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

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From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/13/2010 07:37 AM
Subject: National Guard response to BP - who's on first?

Folks-

Read this latest [post](#) on the involvement of the Louisiana National Guard on the BP blowout response. Who's directing their activity?
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Paul Kaspar/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA
Date: 05/13/2010 07:59 AM
Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

Do we have any real experts on record saying that this is a reasonable idea? My thought is that while this letter is mostly accurate in its technical assessment, it definitely does not convey the very high risk that this is may well not be the right thing to do. It could easily do more harm than good. I would only recommend offering any support at all for this, if a very significant group of the right technical experts recommends it. This should include a marine benthic expert, a marine fisheries expert, a barrier island expert, an oil spill expert, a physical oceanographer. So who is it that is making the technical judgements for EPA?

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[attachment "WQ Situation Update #9 (5_12_2010).doc" deleted by Kenneth Teague/R6/USEPA/US]

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Date: 05/13/2010 08:07 AM
Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

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Date: 05/13/2010 08:34 AM
Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

I seriously question whether this is where EPA's attention should be focused in response to this spill.

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Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

Do we have any real experts on record saying that this is a reasonable idea? My thought is that while this letter is mostly accurate in its technical assessment, it definitely does not convey the very high risk that this is may well not be the right thing to do. It could easily do more harm than good. I would only recommend offering any support at all for this, if a very significant group of the right technical experts recommends it. This should include a marine benthic expert, a marine fisheries expert, a barrier island expert, an oil spill expert, a physical oceanographer. So who is it that is

include a marine benthic expert, a marine fisheries expert, a barrier island expert, an oil spill expert, a physical oceanographer. So who is it that is making the technical judgements for EPA?

[attachment "Sand Barrier EPA Initial Response.doc" deleted by John Ettinger/R6/USEPA/US]

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Paul Kaspar/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/12/2010 10:35 PM
Subject: Re: Fw: Draft Initial Comments to Corps on Sand Barrier

John,

We have completed the following 6 barrier island projects:

TE-20, Isles Dernieres Restoration East Island
TE-24, Isles Dernieres Restoration Trinity Island
TE-27, Whiskey Island Restoration
TE-37, New Cut Dune and Marsh Restoration
TE-45A, Timbalier Island Dune and Marsh Creation
TE-50 Whiskey Island Back Barrier Marsh Creation

TE-50 Whiskey Island Back Barrier Marsh Creation

I believe this is the only piece of information you were looking for. For reference, I've attached the spill situational report being maintained by Chris Llewellyn this week. It looks like he has identified all of the CWPPRA barrier island projects.

[attachment "WQ Situation Update #9 (5_12_2010).doc" deleted by Kenneth Teague/R6/USEPA/US]

Let me know if you need anything else.

Paul F. Kaspar
Marine & Coastal Section
U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

From: Jane Watson/R6/USEPA/US
To: Kaspar.paul@epa.gov
Cc: "John Ettinger" <Ettinger.John@EPA.GOV>
Date: 05/12/2010 09:44 PM
Subject: Fw: Draft Initial Comments to Corps on Sand Barrier

Pay' c, you send John the Q of completed EPA barrier island projects ASAP tomorrow morning? See blank in text below referencing projects. Thanks Jane

From: John Ettinger

Sent: 05/12/2010 06:58 PM CDT

To: William Honker; Karen McCormick; Sharon Parrish; Jane Watson

Subject: Draft Initial Comments to Corps on Sand Barrier

Bill,

Attached is a rough first draft. Clay Miller asked for our thoughts as soon as possible tomorrow morning, as Denise Keehner needs to get something to Bob Perciasepe as early as noon. Please forgive any typos and such. I wanted to give you as much time as possible to review it. Please do not hesitate to call and/or e-mail tonight.

John Ettinger

U.S. EPA Region 6

(504) 862-1119

[ettinger.john@epa.gov](#)[attachment "Sand Barrier EPA Initial Response.doc" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Mark W Hester <mwh4003@louisiana.edu>

To: Brad Crawford/R6/USEPA/US@EPA

Cc: Brad Miller <Brad.Miller@LA.GOV>, Darin Lee <Darin.Lee@LA.GOV>, Jerry Carroll <Jerry.Carroll@LA.GOV>, Kenneth Teague/R6/USEPA/US@EPA, Irv Mendelssohn <imendel@lsu.edu>, Paul Leberg <leberg@louisiana.edu>, "Paul L. Klerks" <klerks@louisiana.edu>, "Darryl L. Felder" <dlf4517@louisiana.edu>, Natalie Snider <nsnider@crcl.org>, Mark Ford <Mark_Ford@nps.gov>, Cassidy Lejeune <clejeune@wlf.louisiana.gov>, "Carloss, Michael" <mcarloss@wlf.louisiana.gov>, Scott Walter <stw1870@louisiana.edu>, Chris Llewellyn/R6/USEPA/US@EPA, "Patrick R. Williams" <patrick.williams@noaa.gov>, Tim Osborn <Tim.Osborn@noaa.gov>, "Kevin_Roy@fws.gov" <Kevin_Roy@fws.gov>, "Kerry St. Pe" <kerry@btnep.org>, James Pahl <james.pahl@LA.GOV>

Date: 05/13/2010 09:07 AM

Subject: Re: Whiskey Island Oil Impacts

Hi Brad, colleagues;

Attached are two photos of the beach at Whiskey Island (part of the Isles Dernieres chain) taken yesterday (May 12, 2010) by my lab. So far, oil impacts appear to be restricted to the beach and near-shore areas.

Sincerely,
Mark

Mark W. Hester
Coastal Plant Ecology Lab
Biology Department
University of Louisiana at Lafayette
PO Box 42451
Lafayette, LA 70504-2451
Email: mhester@louisiana.edu
Office: (337) 482-5246
Cell: (504) 237-1151

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Chris Llewellyn/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/13/2010 09:08 AM
Subject: Fw: Whiskey Island Oil Impacts

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/13/2010 09:08 AM -----

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/13/2010 09:08 AM -----

From: Mark W Hester <mwh4003@louisiana.edu>
To: Brad Crawford/R6/USEPA/US@EPA
Cc: Brad Miller <Brad.Miller@LA.GOV>, Darin Lee <Darin.Lee@LA.GOV>, Jerry Carroll <Jerry.Carroll@LA.GOV>, Kenneth Teague/R6/USEPA/US@EPA, Irv Mendelssohn <imendel@lsu.edu>, Paul Leberg <leberg@louisiana.edu>, "Paul L. Klerks" <klerks@louisiana.edu>, "Darryl L. Felder" <dlf4517@louisiana.edu>, Natalie Snider <nnsnider@crcl.org>, Mark Ford <Mark_Ford@nps.gov>, Cassidy Lejeune <clejeune@wlf.louisiana.gov>, "Carloss, Michael" <mcarloss@wlf.louisiana.gov>, Scott Walter <stw1870@louisiana.edu>, Chris Llewellyn/R6/USEPA/US@EPA, "Patrick R. Williams" <patrick.williams@noaa.gov>, Tim Osborn <Tim.Osborn@noaa.gov>, "Kevin_Roy@fws.gov" <Kevin_Roy@fws.gov>, "Kerry St. Pe" <kerry@btnep.org>, James Pahl <james.pahl@LA.GOV>
Date: 05/13/2010 09:07 AM
Subject: Re: Whiskey Island Oil Impacts

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Sincerely,
Mark

Mark W. Hester
Coastal Plant Ecology Lab
Biology Department
University of Louisiana at Lafayette
PO Box 42451
Lafayette, LA 70504-2451
Email: mhester@louisiana.edu
Office: (337) 482-5246
Cell: (504) 237-1151

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Chris Llewellyn/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA

Date: 05/13/2010 09:14 AM
Subject: Fw: National Guard response to BP - who's on first?

Has anybody heard of this report of the National Guard building a levee at Elmer's Island? Do they have a permit?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/13/2010 09:13 AM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/13/2010 07:37 AM
Subject: National Guard response to BP - who's on first?

Folks-

Read this latest [post](#) on the involvement of the Louisiana National Guard on the BP blowout response. Who's directing their activity?
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA

Date: 05/13/2010 09:17 AM
Subject: Re: National Guard response to BP - who's on first?

I have seen pics in NOLA.com yesterday. I think the Corps gave emergency authorization. I have no details.

----- Original Message -----

From: Kenneth Teague
Sent: 05/13/2010 09:14 AM CDT
To: Chris Llewellyn; John Ettinger
Subject: Fw: National Guard response to BP - who's on first?

Has anybody heard of this report of the National Guard building a levee at Elmer's Island? Do they have a permit?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/13/2010 09:13 AM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/13/2010 07:37 AM
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Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:10 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients; ;
Date: 05/13/2010 10:26 AM
Subject: BP B.S.

Folks-

Here's the first part of a post on the range of commentary about the BP disaster.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Chris Llewellyn/R6/USEPA/US
To:

To: Barbara Keeler/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen
Bainter/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA
Date: 05/13/2010 02:31 PM

Subject: WQ Situation Update Daily Report #10 (5/13/10)
From: bje
To:

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: R6 Mailroom/R6/USEPA/US

To:

Date: 05/13/2010 02:38 PM

Subject: AEM: All R6 EPA Employees Must Certify - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

This is being sent as R6 All Employee Memo - Please do not reply to this mass mailing
This memo and all Region 6 "All Employee Memos" may be viewed on the Region 6 Intranet

NO HARD COPY TO FOLLOW

Thursday, May 13, 2010

MEMORANDUM

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

Please read this memo in its entirety. We require that you certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.

The recent BP Oil Spill in the Gulf of Mexico is already generating lawsuits, and further litigation can be reasonably expected. As you may know, federal courts may impose sanctions on agencies for failure to preserve information required to be produced in litigation. Accordingly, we are sending this message to explain some of the steps that need to be taken to meet our legal obligation to preserve potentially relevant spill "information" (*i.e.*, not only documents, but also tangible things such as equipment and lab samples).

We are of course already subject to records retention obligations under the Federal Records Act, and faithful adherence to our record retention responsibilities remains critical in this context. That said, it is important to recognize that not all of the information that may be relevant to litigation is captured by what we consider "records" under our various record retention schedules. Additionally, while such schedules frequently allow for destruction of Agency records after a certain retention period, courts have regarded such destruction as inconsistent with evidence preservation responsibilities.

Consequently, we need to augment our record retention practices with special procedures in circumstances such as these. Indeed, the Department of Justice has requested all agencies engaged in the response to the BP Oil Spill to institute evidence preservation procedures as described below.

EPA Headquarters has established a national Gulf Oil Spill Information Preservation Working Group that will coordinate efforts to efficiently manage the preservation of potentially relevant information. The group is being led by Gary Jones of OGC. In Region 6, our lead contacts on this information preservation effort are Darrin Swartz-Larson and Verne McFarland, who will serve as liaisons to the national Working Group.

We will follow up with further instructions concerning how best to meet our preservation obligations. **In the interim, until you are notified otherwise, it is critical that you not destroy potentially relevant information pertaining to the fires and explosion that occurred at the Deepwater Horizon facility located about 60 miles from the Louisiana shore on or about April 20, 2010, the discharges of oil resulting from the explosion and fire, and any resulting response, damages, costs, or effects.**

The Duty to Preserve Potentially Relevant Information

It is incumbent on each of you to take appropriate steps to preserve any of the informational items described below that are in your possession, custody, or control (this could include contractors working under your supervision). You must preserve this information even if it otherwise could be destroyed, deleted or overwritten in the normal course of Agency operations. If information that is subject to a litigation hold is destroyed, a court in some circumstances may impose sanctions, exclude evidence, and/or dismiss a claim.

What Must Be Preserved

The information that must be preserved includes any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, and discharges of oil, responses to the fire, explosion, and discharges of oil, or the effects of the explosion, fire, or discharges. Examples of such information might include, but are not limited to, equipment or materials salvaged during response actions, samples, and other physical things. Such information also includes documents such as inspection materials for the various facilities, including field notes and supporting documentation, analytical data for samples, internal communications regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

What You Need to Do

You must take the following steps with respect to the above-described materials. Please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115 if you need any assistance or have any questions.

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant ESI as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the "metadata" (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact Darrin Swartz-Larson and he will refer you to the appropriate information technology (IT) staff to explain it to you and assist you with specific problems you may face. You should expeditiously identify for Darrin Swartz-Larson any critical databases that may contain relevant information and which may be updated and cause the information to be lost, to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.
3. Take steps to prevent the destruction of any potentially relevant information that has been transferred to a Federal Records Center or any other location.
4. Do not transfer any potentially relevant information to a Federal Records Center or any other location unless you have discussed it with Darrin Swartz-Larson and he has agreed that the information will be adequately preserved after being transferred and is not needed in its present location for purposes of this matter.
5. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer or hard drive containing relevant information is retired or reimaged, whether because of a departing employee or otherwise, please contact Darrin Swartz-Larson to ensure that the agency retains access to potentially relevant information after the retirement or upgrade.
6. Contact Darrin Swartz-Larson if there are any staffing changes in your office that may affect compliance with these instructions, such as the retirement or departure of people who have done work related to this matter or new or additional people doing work relating to this matter.
7. Treat non-identical copies of documents (word processing files, spreadsheets, etc.) as if they were unique and save, at a minimum, the latest version and all versions that were shared with others. Call Darrin Swartz-Larson to assist you in determining

which other intermediate drafts, if any, to save.

8. If potentially relevant ESI has not been preserved, then immediately contact Darrin Swartz-Larson. Under some circumstances, IT staff may be able to recover information.

9. To the maximum extent possible, maintain information subject to the litigation hold in an orderly, readily retrievable manner. This will greatly facilitate later production of the information, as required.

- Set up electronic and hard copy folders to preserve relevant information that you generate, including electronic communication, and establish separate files for confidential and public information.

- Copy email that you create related to this matter to R6_DWH_Info@epa.gov, and forward email you receive related to this matter to this email box if it has not been copied to it. Please see the R6 Advisory, Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions, issued on May 7, 2010, for more information.

10. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact Darrin Swartz-Larson.

11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

12. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions.

13. If at all possible, do not send e-mails or other communications concerning this matter from personal e-mail accounts or do work on this matter on home computers, personal PDAs, or other non-EPA electronic devices. Please be advised that using personal e-mail accounts or personal electronic equipment may subject such items to a required search in litigation.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

e-mail and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by clicking here .

If you have any questions regarding these instructions, please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Karen McCormick/R6/USEPA/US

To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>

Date: 05/14/2010 08:41 AM

Subje Fw: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps

ct:

Look at the proposal and please send email your comments to me only!!!

Sent by EPA Wireless E-Mail Services

From: John Ettinger

Sent: 05/14/2010 08:37 AM CDT

To: Karen McCormick; Sharon Parrish

Cc: Clay Miller; Janet Woodka

Subject: FW: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps

Attached is a request from Corps for our views COB today on emergency authorization of sand bags to close gaps on barrier islands in Barataria. Based on the limited information provided, I do not see any significant issues. Please let me know if you have any thoughts or comments. Thanks.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

-----Forwarded by John Ettinger/R6/USEPA/US on 05/14/2010 08:31AM -----

To: John Ettinger/R6/USEPA/US@EPA
From: "Ettinger, John F MVN-Contractor" <John.F.Ettinger@usace.army.mil>
Date: 05/14/2010 07:46AM
Subject: FW: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps

-----Original Message-----

From: Farabee, Michael V MVN
Sent: Thursday, May 13, 2010 3:41 PM
To: 'jim_boggs@fws.gov'; 'Patti_Holland@fws.gov';
'patrick.williams@noaa.gov'; 'richard.hartman@noaa.gov';
'rachel.sweeney@noaa.gov'; Ettinger, John F MVN-Contractor;
'kbalkum@wlf.louisiana.gov'; 'Karl.Morgan@la.gov'; 'Christine Charrier';
'Jamie Phillippe'
Cc: Serio, Pete J MVN; Barbara, Darrell MVN; Mayer, Martin S MVN
Subject: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial
drops of sand bags to close gaps
Importance: High

Good Afternoon:

MVN Regulatory is in receipt of a new emergency response request from the State of Louisiana, Department of Natural Resources that includes aerial drops of sand bags to close gaps on Pelican and Scofield Islands. While I understand your schedules are stretched already, I must ask for comments to this proposal by 4:00 pm, Friday May 14, 2010.

understand your schedules are stretched already, I must ask for comments to this proposal by 4:00 pm, Friday May 14, 2010.

Darrell Barbara, (504) 862-2260, will be handling comments and information requests on this proposal so please respond to him at:

Darrell.Barbara@usace.army.mil

Please find the original e-mail chain below for your reference/use. If others from your respective agencies should be in on this loop please forward this e-mail.

Thanks in advance,

Michael V. Farabee
New Orleans District
Regulatory Branch
Chief, Eastern Evaluation Section

(504) 862-2292
(504) 862-2117 Fax

In order to assist us in improving our service to you, please complete the survey found at: <http://per2.nwp.usace.army.mil/survey.html>

Pete,

Per email below, we are asking for written authorization to proceed with work described in the attached power point presentation, as it pertains to abatement of oil/sheen/tar balls from the MC252 spill. Your immediate attention is greatly appreciated.

Toni DeBosier
LDNR
225 278-1141 mobile

-----Original Message-----

From: Chris Knotts
Sent: Thursday, May 13, 2010 1:05 PM

Sent: Thursday, May 13, 2010 1:05 PM
To: Garret Graves; Kyle Graham; Jerome Zeringue; Steve Mathies
Subject: FW: 205th Updated CONOPS (UNCLASSIFIED)

This is what LANG is planning.

They were under order from a General I was not familiar with to have sandbags on Pelican by noon today. Those were going to come out of Port Fourchon until a land based operation near Buras/Empire could be established.

-----Original Message-----

From: Slaven, James S [<mailto:james.s.slaven@us.army.mil>]
Sent: Thursday, May 13, 2010 1:00 PM
To: Chris Knotts
Subject: FW: 205th Updated CONOPS (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: Slaven, James S
Sent: Thursday, May 13, 2010 12:59 PM
To: Bossetta, Patrick R COL NG NGLA; Tracey, Charles N CW4 NG NGLA; Angelloz, John R JR COL NG NGLA; Donnelly, Kenneth (LTC); Armstrong, Chris MAJ NG NGLA; Parker, Greg; St. Romain, John G MAJ NG NGLA; Edwards, Ron J CPT NG NGLA; Adcox, Steven O MSG NG NGLA; Jenkins, Travis S SFC NG NGLA
Subject: 205th Updated CONOPS (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED
Caveats: FOUO

Slide 6 and 7 is updated, and show priority and estimated number of sand bags

to fill gap.

Slide 8 is a sample of the mission tracker by priority.

MAJ Slaven

Classification: UNCLASSIFIED
Caveats: FOUO

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr Karen McCormick/R6/USEPA/US
o

m:

To "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Stephen Bainter"
: <Bainter.Stephen@epamail.epa.gov>, "Chris Llewellyn" <Llewellyn.Chris@epamail.epa.gov>

Da 05/14/2010 10:00 AM
te:

Su Fw: draft comments on Plaquemines Parish berm proposal
bje
ct:

FYI - this is the comments that EPA sent on the Barrier Proposal!!

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Janet Woodka

Sent: 05/14/2010 10:02 AM EDT

To: Gregory Peck

Cc: Benita Best-Wong; Bernicel Smith; Bob Perciasepe; Clay Miller; Dawn Ison; Denise Keehner; EOC Water; Gilberto Irizarry; John Ettinger; Karen McCormick; Nanci Gelb; William Honker

Subject: Re: draft comments on Plaquemines Parish berm proposal

Yes.

R6 sent them.

Janet

Janet Woodka
Senior Advisor to the Deputy Administrator
Acting Director of Regional Operations
U.S. EPA
email: woodka.janet@epa.gov
phone: 202-564-7362
cell: 202-360-7465

Fr
o Gregory Peck/DC/USEPA/US

m:

To Janet Woodka/DC/USEPA/US@EPA

:

Cc Benita Best-Wong/DC/USEPA/US@EPA, Bernicel Smith/DC/USEPA/US@EPA, Bob Perciasepe/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, EOC Water@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/14/2010 09:58 AM

te:

Subject: Re: draft comments on Plaquemines Parish berm proposal

bjc

cc:

Janet:

Were EPA comments provided to the NO District Engineer last night?

Thanks,
Greg

Gregory E. Peck
Chief of Staff
Office of Water
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

202-564-5778

From: Janet Woodka/DC/USEPA/US

m:

To: John Ettinger/R6/USEPA/US@EPA

:

Cc: Benita Best-Wong/DC/USEPA/US@EPA, Bernice Smith/DC/USEPA/US@EPA, Bob Perciasepe/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Dawn
Ison/R6/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, EOC Water@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, Gregory Peck/DC/USEPA/US@EPA, Karen
McCormick/R6/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Bob Perciasepe/DC/USEPA/US@EPA

Date: 05/13/2010 06:48 PM
Subject:

Subject: draft comments on Plaquemines Parish berm proposal
From: bje
To: ct:

All -

Attached are draft comments on the Plaquemines Parish berm proposal.

This may be subject to further refinement as we move forward but this can be used for now.

Please let me know if you have additional thoughts or comments. But John, you can use this in your upcoming meeting. Please give us a full report back though!

Thanks again all for your input and help on this.

Janet

Janet Woodka
Senior Advisor to the Deputy Administrator
Acting Director of Regional Operations
U.S. EPA
email: woodka.janet@epa.gov
phone: 202-564-7362
cell: 202-360-7465

[attachment "Plaquemines Berm proposal - epa comments.doc" deleted by Gregory Peck/DC/USEPA/US]

Fr John Ettinger/R6/USEPA/US
o
m:

To Janet Woodka/DC/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA
:

Cc Benita Best-Wong/DC/USEPA/US@EPA, Bernicel Smith/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, EOC Water@EPA, Gilberto
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Bob Perciasepe/DC/USEPA/US@EPA

Da 05/13/2010 05:21 PM
te:

Su Re: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal? - CLARIFICATION
bje
ct:

The interagency call with Colonel Lee is at 6 central. Appears that the Colonel wants to discuss technical aspects of the proposal with his CWPPRA Task Force peers.

District continues to press for our feedback.

----- Original Message -----

From: Janet Woodka

Sent: 05/13/2010 05:00 PM EDT

To: Dawn Ison

Cc: Benita Best-Wong; Bernicel Smith; Clay Miller; Denise Keehner; EOC Water; Gilberto Irizarry; John

Cc: Benita Best-Wong; Bernicel Smith; Clay Miller; Denise Keehner; EOC Water; Gilberto Irizarry; John Ettinger; Karen McCormick; Nanci Gelb; William Honker; Gregory Peck; Bob Perciasepe

Subject: Re: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal? - CLARIFICATION

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Looping in Greg Peck into this email as he is working through this.

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Senior Advisor to the Deputy Administrator
Acting Director of Regional Operations
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email: woodka.janet@epa.gov
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: Best-Wong/DC/USEPA/US@EPA, Janet Woodka/DC/USEPA/US@EPA

Cc
: Gilberto Irizarry/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA

Da 05/13/2010 04:50 PM
te:

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bje
ct:

Afternoon,

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Thank you,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

□ Be kind to the environment.

Please don't print this email unless necessary.

From: EOC Water
To: Bernice Smith/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Benita Best-Wong/DC/USEPA/US@EPA
Cc: Gilberto Irizarry/DC/USEPA/US@EPA
Date: 05/13/2010 03:13 PM
Subject: Re: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal?
ct:

All-

I just spoke with Benita Best-Wong, who was very helpful! Below is my understanding of what efforts are underway:

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be moved forward as appropriate.

Thank you,

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: EOC Water
To: Bernicel Smith/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA
Date: 05/13/2010 03:55 PM
Subject: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal?

All-

At the request of the EOC Manager, I am working to track down what efforts are underway at HQ to provide comment on the Barrier Island Proposal. Please advise the Water Desk as soon as possible what activities are currently ongoing.

Thank you,

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: EOC Water
To: Nanci Gelb/DC/USEPA/US@EPA, Bernicel Smith/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA
Date: 05/13/2010 11:36 AM
Subject: Re: Fw: Rough Draft Initial Response to Corps on Sand Barrier

FYI- Please see attached below the initial comments Region 6 has compiled related to the proposed sand barrier.

Bernice-Please inform the water desk what activities OWOW is currently engaged in related to this effort.

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: Barbara Keeler/R6/USEPA/US
To: Sharon Parrish/R6/USEPA/US@EPA
Cc: R6 DWH EOC Water Desk, EOC Water@epa.gov
Date: 05/13/2010 11:23 AM
Subject: Fw: Rough Draft Initial Response to Corps on Sand Barrier

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/13/2010 10:22 AM -----

Re: Fw: Rough Draft Initial Response to Corps on Sand Barrier [Link](#)

05/13/2010 10:21 AM

Barbara Keeler

to: John Ettinger

Cc: Jane Watson, Karen McCormick, Clay Miller, Timothy Landers, William Honker

Great draft. Attached are some suggestions. Thanks, John.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Fw: Rough Draft Initial Response to Corps on Sand Barrier

John Ettinger

to: Barbara Keeler

05/13/2010 08:58 AM

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

-----Forwarded by John Ettinger/R6/USEPA/US on 05/13/2010 08:57AM -----

To: Timothy Landers/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Janet Woodka/DC/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, miller.clay@epa.gov
From: John Ettinger/R6/USEPA/US
Date: 05/13/2010 08:05AM
cc: David Gray/R6/USEPA/US@EPA
Subject: Rough Draft Initial Response to Corps on Sand Barrier

All:

Attached is a draft initial response to the Corps on the state's sand barrier application (also attached). This draft is straight from my desk -- Region 6 and HQ review is concurrent. I have not offered comments on the legal sufficiency of using a general permit and after-the-fact EIS; instead I focussed on technical issues. The basic theme is that there may be "no-regrets" projects we could support now, while simultaneously assessing the feasibility of some of the more ambitious and environmentally risky concepts. Colonel Lee has asked for our comments by COB today. Any and all comments appreciated.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

[attachment "Louisiana Application for Sand Barrier.pdf" deleted by Barbara Keeler/R6/USEPA/US] [attachment "Sand Barrier EPA Initial Response.doc" deleted by Barbara

Keeler/R6/USEPA/US]

[attachment "Sand Barrier EPA Initial Response BK edits.doc" deleted by Kevin Tingley/DC/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Tom_Denes@URSCorp.com
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/14/2010 01:16 PM
Subject:

Ken,
How are you doing? Are you involved with the oil spill? Do you have contact info for John Ettinger? I saw him yesterday and wanted to send him an e-mail.

Tom Denes, PhD
Vice President
National USACE Civil Works Planning Program Director
URS Corporation

200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
301-258-5853 (office)
240-506-0904 (cell)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Chris Llewellyn/R6/USEPA/US
To:
Subject:

To: Barbara Keeler/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen
: Bainter/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA
Date: 05/14/2010 01:48 PM
Subject:

Subject: 6WQ Situation Update Daily Report #11 (5/14/10)
From: bje
To:

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

Ken, Chris,

I realize that you're probably drowning in information, but I've conducted research on the fate of dispersed oil that reaches coastal wetlands (S. Louisiana crude dispersed with COREXIT 9500) . I've updated my website (<http://www.rnr.lsu.edu/nyman/>) to make it easier to obtain my oil spill publications. Here, I'm summarising some of the conclusions resulting from that research. Please pass this on as you see fit.

The first experiment I'll summarize is described in Nyman and McGinnis (1999). In salt marsh soils (*Spartina alterniflora* soil or *Juncus roemerianus* soil), dispersed S. Louisiana Crude disappeared (via biodegradation and evaporation) significantly slower than un-dispersed oil exposed only to natural biodegradation. Another product, the shoreline cleaner COREXIT 9580, accelerated oil disappearance from salt marsh soils relative to natural biodegradation. The fastest disappearance of S. Louisiana Crude from salt marsh soils occurred where fertilizer was added. See Figure 1 in Nyman and McGinnis (1999) for a graphical representation of those results. This fertilizer effect should be a logical consequence river flow to oiled marshes as well as the surface application of artificial fertilizers to oiled marshes. Note however that the nutrients in river water will reach the Gulf regardless but addition of artificial nutrients to oiled marshes would need to be considered in light of gulf hypoxia.

The second experiment I'll summarize is described in three publications. This experiment used fresh marsh soil (*Sagittaria lancifolia* soil or *Panicum hemitomon* soil, which dominate most of the tidal freshwater marshes in Louisiana) but realize that the fresh marshes at the Bird's Foot delta differ in vegetation and soils from most tidal freshwater marshes in Louisiana. In these fresh marsh soils, neither COREXIT 9580, COREXIT 9500, nor fertilizer altered disappearance (biodegradation and evaporation). See Nyman et al. (2007).

Another conclusion from this second experiment is that different chemical tests for petroleum hydrocarbons do not measure the same things with different levels of precision; instead, they measure different suites of hydrocarbons in the mixture created by crude oil and its partial degradation products. Hence no single chemical measure adequately describes all the hydrocarbons in a sample; this problem is greater in wetland soil samples than in wetland water samples. For details, also see Nyman et al. (2007).

Another conclusion from this second experiment is that dispersant oil reaching fresh marsh soil was more toxic to a fish, crustacean, and benthic invertebrate than undispersed oil for months after being added to marsh soil. For details, see Bhattacharyya et al. (2003).

A third conclusion from this second experiment is that chemical tests for hydrocarbons cannot substitute for actual toxicity determinations when attempting to accurately rank the toxicity of samples from oiled freshwater marshes. This has large implications regarding the habitual use of chemical tests to decide what places most need to be cleaned, what places are restored, etc. For details, see Klerks et al. (2004).

andy

Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215.

Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353.

Nyman, J.A and T.E. McGinnis. 1999. Effects of crude oil and spill-response-options on microbial functions and oil disappearance in salt marsh soils: Year 2. Department of Biology, University of Southwestern Louisiana. Louisiana Applied and Educational Oil Spill Research and Development Program, OSRADP Technical Report Series 99-007.

Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. *Environmental Pollution* 149:227-238.

Andy Nyman, Ph.D.

225 578-4220

<http://www.rnr.lsu.edu/nyman/>

jnyman@lsu.edu or

jnyman@agcenter.lsu.edu

mailing address:

Renewable Natural Resources

LSU

Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Doug Daigle <lmrsbc@gmail.com>
To: undisclosed-recipients; ;
Date: 05/16/2010 08:18 PM
Subject: Fwd: Giant Plumes of Oil Found Under Gulf of Mexico - NYTimes.com

Apologies for duplicate postings...

<http://www.nytimes.com/2010/05/16/us/16oil.html?hp>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: "Stephen Bainter" <Bainter.Stephen@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Chris Llewellyn" <Llewellyn.Chris@epamail.epa.gov>
Date: 05/17/2010 07:42 AM
Subject: Re: Fw: draft comments on Plaquemines Parish berm proposal

ct:

I don't see any comments???

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr Karen McCormick/R6/USEPA/US
o
m:

To "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Stephen Bainter"
: <Bainter.Stephen@epamail.epa.gov>, "Chris Llewellyn" <Llewellyn.Chris@epamail.epa.gov>
Da 05/14/2010 10:00 AM
te:

Su Fw: draft comments on Plaquemines Parish berm proposal
bje
ct:

FYI - this is the comments that EPA sent on the Barrier Proposal!!

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Janet Woodka

Sent: 05/14/2010 10:02 AM EDT

To: Gregory Peck

Cc: Benita Best-Wong; Bernicel Smith; Bob Perciasepe; Clay Miller; Dawn Ison; Denise Keehner; EOC Water; Gilberto Irizarry; John Ettinger; Karen McCormick; Nanci Gelb; William Honker

Subject: Re: draft comments on Plaquemines Parish berm proposal

Yes.

R6 sent them.

Janet

Janet Woodka

Senior Advisor to the Deputy Administrator

Acting Director of Regional Operations

U.S. EPA

email: woodka.janet@epa.gov

phone: 202-564-7362

cell: 202-360-7465

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Cc Benita Best-Wong/DC/USEPA/US@EPA, Bernicel Smith/DC/USEPA/US@EPA, Bob Perciasepe/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, EOC Water@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/14/2010 09:58 AM

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ct:

Janet:

Were EPA comments provided to the NO District Engineer last night?

Thanks,

Greg

Gregory E. Peck
Chief of Staff
Office of Water
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

202-564-5778

Fr Janet Woodka/DC/USEPA/US
o

m:

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Date: 05/13/2010 06:48 PM
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From: bje
To: ct:

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Senior Advisor to the Deputy Administrator
Acting Director of Regional Operations
U.S. EPA
email: woodka.janet@epa.gov
phone: 202-564-7362
cell: 202-360-7465

Fr Dawn Ison/R6/USEPA/US
o

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To EOC Water@EPA, Bernice Smith/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Benita
: Best-Wong/DC/USEPA/US@EPA, Janet Woodka/DC/USEPA/US@EPA

Cc
: Gilberto Irizarry/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA

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Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

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Please don't print this email unless necessary.

From: EOC Water
To: Bernice Smith/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Benita Best-Wong/DC/USEPA/US@EPA
Cc: Gilberto Irizarry/DC/USEPA/US@EPA
Date: 05/13/2010 03:13 PM
Subject: Re: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal?
ct:

All-

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be moved forward as appropriate.

Thank you,

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: EOC Water
To: Bernicel Smith/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA
Date: 05/13/2010 03:55 PM
Subject: Is there an HQ OW effort to compile comments related to the Barrier Island Proposal?

All-

At the request of the EOC Manager, I am working to track down what efforts are underway at HQ to provide comment on the Barrier Island Proposal. Please advise the Water Desk as soon as possible what activities are currently ongoing.

Thank you,

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: EOC Water
To: Nanci Gelb/DC/USEPA/US@EPA, Bernicel Smith/DC/USEPA/US@EPA, Denise Keehner/DC/USEPA/US@EPA
Date: 05/13/2010 11:36 AM
Subject: Re: Fw: Rough Draft Initial Response to Corps on Sand Barrier

FYI- Please see attached below the initial comments Region 6 has compiled related to the proposed sand barrier.

Bernice-Please inform the water desk what activities OWOW is currently engaged in related to this effort.

Water Desk
EPA HQ Emergency Operations Center (EOC)
202-250-8922

From: Barbara Keeler/R6/USEPA/US
To: Sharon Parrish/R6/USEPA/US@EPA
Cc: R6 DWH EOC Water Desk, EOC Water@epa.gov
Date: 05/13/2010 11:23 AM
Subject: Fw: Rough Draft Initial Response to Corps on Sand Barrier

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/13/2010 10:22 AM -----

Re: Fw: Rough Draft Initial Response to Corps on Sand Barrier [Link](#)

05/13/2010 10:21 AM

Barbara Keeler

to: John Ettinger

Cc: Jane Watson, Karen McCormick, Clay Miller, Timothy Landers, William Honker

Great draft. Attached are some suggestions. Thanks, John.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Fw: Rough Draft Initial Response to Corps on Sand Barrier

John Ettinger

to: Barbara Keeler

05/13/2010 08:58 AM

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

-----Forwarded by John Ettinger/R6/USEPA/US on 05/13/2010 08:57AM -----

To: Timothy Landers/DC/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Janet Woodka/DC/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, miller.clay@epa.gov
From: John Ettinger/R6/USEPA/US
Date: 05/13/2010 08:05AM
cc: David Gray/R6/USEPA/US@EPA
Subject: Rough Draft Initial Response to Corps on Sand Barrier

All:

Attached is a draft initial response to the Corps on the state's sand barrier application (also attached). This draft is straight from my desk -- Region 6 and HQ review is concurrent. I have not offered comments on the legal sufficiency of using a general permit and after-the-fact EIS; instead I focussed on technical issues. The basic theme is that there may be "no-regrets" projects we could support now, while simultaneously assessing the feasibility of some of the more ambitious and environmentally risky concepts. Colonel Lee has asked for our comments by COB today. Any and all comments appreciated.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

[attachment "Louisiana Application for Sand Barrier.pdf" deleted by Barbara Keeler/R6/USEPA/US] [attachment "Sand Barrier EPA Initial Response.doc" deleted by Barbara Keeler/R6/USEPA/US]

[attachment "Sand Barrier EPA Initial Response BK edits.doc" deleted by Kevin Tingley/DC/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA

Cc: "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, John Ettinger/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA

Date: 05/17/2010 07:48 AM

Subject: Re: Fw: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps
ct:

A day late and a dollar short with this, but I don't see a problem with this, so long as they don't dump millions of sand bags on top of marsh. On the other hand, I definitely don't see this doing a whole lot of good either. It may help limit exposure of the marsh immediately behind these barrier beaches, but that is about it. The passes are very large, and will allow access of considerable oil into the larger degraded marsh system behind these degraded barrier beaches. Its probably a waste of money and resources. Does NMFS see much value in doing this? They have several cwppra projects here.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US

To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>

Date: 05/14/2010 08:41 AM

Subje Fw: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps
ct:

Look at the proposal and please send email your comments to me only!!!

Sent by EPA Wireless E-Mail Services

From: John Ettinger

Sent: 05/14/2010 08:37 AM CDT

To: Karen McCormick; Sharon Parrish

Cc: Clay Miller; Janet Woodka

Subject: FW: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps

Attached is a request from Corps for our views COB today on emergency authorization of sand bags to close gaps on barrier islands in Barataria. Based on the limited information provided, I do not see any significant issues. Please let me know if you have any thoughts or comments. Thanks.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

-----Forwarded by John Ettinger/R6/USEPA/US on 05/14/2010 08:31AM -----

To: John Ettinger/R6/USEPA/US@EPA
From: "Ettinger, John F MVN-Contractor" <John.F.Ettinger@usace.army.mil>
Date: 05/14/2010 07:46AM
Subject: FW: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial drops of sand bags to close gaps

-----Original Message-----

From: Farabee, Michael V MVN
Sent: Thursday, May 13, 2010 3:41 PM
To: 'jim_boggs@fws.gov'; 'Patti_Holland@fws.gov';
'patrick.williams@noaa.gov'; 'richard.hartman@noaa.gov';
'rachel.sweeney@noaa.gov'; Ettinger, John F MVN-Contractor;
'kbalkum@wlf.louisiana.gov'; 'Karl.Morgan@la.gov'; 'Christine Charrier';
'Jamie Phillippe'
Cc: Serio, Pete J MVN; Barbara, Darrell MVN; Mayer, Martin S MVN
Subject: BP Oil Spill Response-- on Pelican and Scofield Islands; aerial
drops of sand bags to close gaps
Importance: High

Good Afternoon:

MVN Regulatory is in receipt of a new emergency response request from the State of Louisiana, Department of Natural Resources that includes aerial drops of sand bags to close gaps on Pelican and Scofield Islands. While I understand your schedules are stretched already, I must ask for comments to this proposal by 4:00 pm, Friday May 14, 2010.

Darrell Barbara, (504) 862-2260, will be handling comments and information requests on this proposal so please respond to him at:

Darrell.Barbara@usace.army.mil

Please find the original e-mail chain below for your reference/use. If

others from your respective agencies should be in on this loop please forward this e-mail.

Thanks in advance,

Michael V. Farabee
New Orleans District
Regulatory Branch
Chief, Eastern Evaluation Section

(504) 862-2292
(504) 862-2117 Fax

In order to assist us in improving our service to you, please complete the survey found at: <http://per2.nwp.usace.army.mil/survey.html>

Pete,

Per email below, we are asking for written authorization to proceed with work described in the attached power point presentation, as it pertains to abatement of oil/sheen/tar balls from the MC252 spill. Your immediate attention is greatly appreciated.

Toni DeBosier
LDNR
225 278-1141 mobile

-----Original Message-----

From: Chris Knotts
Sent: Thursday, May 13, 2010 1:05 PM
To: Garret Graves; Kyle Graham; Jerome Zeringue; Steve Mathies
Subject: FW: 205th Updated CONOPS (UNCLASSIFIED)

This is what LANG is planning.

They were under order from a General I was not familiar with to have sandbags on Pelican by noon today. Those were going to come out of Port Fourchon until a land based operation near Buras/Empire could be established.

-----Original Message-----

From: Slaven, James S [<mailto:james.s.slaven@us.army.mil>]
Sent: Thursday, May 13, 2010 1:00 PM
To: Chris Knotts
Subject: FW: 205th Updated CONOPS (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: Slaven, James S
Sent: Thursday, May 13, 2010 12:59 PM
To: Bossetta, Patrick R COL NG NGLA; Tracey, Charles N CW4 NG NGLA; Angelloz, John R JR COL NG NGLA; Donnelly, Kenneth (LTC); Armstrong, Chris MAJ NG NGLA; Parker, Greg; St. Romain, John G MAJ NG NGLA; Edwards, Ron J CPT NG NGLA; Adcox, Steven O MSG NG NGLA; Jenkins, Travis S SFC NG NGLA
Subject: 205th Updated CONOPS (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED
Caveats: FOUO

Slide 6 and 7 is updated, and show priority and estimated number of sand bags to fill gap.

Slide 8 is a sample of the mission tracker by priority.

MAJ Slaven

Classification: UNCLASSIFIED
Caveats: FOUO

[attachment "205th CONOP PLAN for OIL SPILL SLING LOAD.pptx" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: John Ettinger/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA
Date: 05/17/2010 07:52 AM
Subject: Fw: dispersed oil in wetlands

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 07:52 AM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

Ken, Chris,

I realize that you're probably drowning in information, but I've conducted research on the fate of dispersed oil that reaches coastal wetlands (S. Louisiana crude dispersed with COREXIT 9500) . I've updated my website (<http://www.rnr.lsu.edu/nyman/>) to make it easier to obtain my oil spill publications. Here, I'm summarising some of the conclusions resulting from that research. Please pass this on as you see fit.

The first experiment I'll summarize is described in Nyman and McGinnis (1999). In salt marsh soils (*Spartina alterniflora* soil or *Juncus roemerianus* soil), dispersed S. Louisiana Crude disappeared (via biodegradation and evaporation) significantly slower than un-dispersed oil exposed only to natural biodegradation. Another product, the shoreline cleaner COREXIT 9580, accelerated oil disappearance from salt marsh soils relative to natural biodegradation. The fastest disappearance of S. Louisiana Crude from salt marsh soils occurred where fertilizer was added. See Figure 1 in Nyman and McGinnis (1999) for a graphical representation of those results. This fertilizer effect should be a logical consequence river flow to oiled marshes as well as the surface application of artificial fertilizers to oiled marshes. Note however that the nutrients in river water will reach the Gulf regardless but addition of artificial nutrients to oiled marshes would need to be considered in light of gulf hypoxia.

The second experiment I'll summarize is described in three publications. This experiment used fresh marsh soil (*Sagittaria lancifolia* soil or *Panicum hemitomon* soil, which dominate most of the tidal freshwater marshes in Louisiana) but realize that the fresh marshes at the Bird's Foot delta differ in vegetation and soils from most tidal freshwater marshes in Louisiana. In these fresh marsh soils, neither COREXIT 9580, COREXIT 9500, nor fertilizer altered disappearance (biodegradation and evaporation). See Nyman et al. (2007).

Another conclusion from this second experiment is that different chemical tests for petroleum hydrocarbons do not measure the same things with different levels of precision; instead, they measure different suites of hydrocarbons in the mixture created by crude oil and its partial degradation products. Hence no single chemical measure adequately describes all the hydrocarbons in a sample; this problem is greater in wetland soil samples than in wetland water samples. For details, also see Nyman et al. (2007).

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A third conclusion from this second experiment is that chemical tests for hydrocarbons cannot substitute for actual toxicity

determinations when attempting to accurately rank the toxicity of samples from oiled freshwater marshes. This has large implications regarding the habitual use of chemical tests to decide what places most need to be cleaned, what places are restored, etc. For details, see Klerks et al. (2004).

andy

Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215.

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Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. *Environmental Pollution* 149:227-238.

Andy Nyman, Ph.D.
225 578-4220
<http://www.rnr.lsu.edu/nyman/>
jnyman@lsu.edu or
jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Barbara Keeler/R6/USEPA/US

To: jnyman@lsu.edu

Cc: Laura Hunt/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Date: 05/17/2010 07:57 AM

Subject: Fw: dispersed oil in wetlands

ct:

Thanks, so much Andy. I've passed this along to those in office looking at this issue.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/17/2010 07:55 AM -----

Fw: dispersed oil in wetlands

Kenneth Teague

to: Karen McCormick

05/17/2010 07:52 AM

Cc: John Ettinger, Barbara Keeler, Sharon Parrish

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6

1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

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Andy Nyman, Ph.D.
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mailing address:
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To: Barbara Keeler/R6/USEPA/US@EPA
Cc: Charlie Howell/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, jnyman@lsu.edu, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA
Date: 05/17/2010 08:01 AM
Subject: Re: Fw: dispersed oil in wetlands
ct:

Bear in mind though Barbara, Andy's work does not appear to deal with the primary aspect of dispersants that I think is currently on everybody's mind- 1) toxicity, primarily in the water column; 2) marine food web considerations.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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From: Barbara Keeler/R6/USEPA/US

To: jnyman@lsu.edu

Cc: Laura Hunt/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

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fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

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Fw: dispersed oil in wetlands

Kenneth Teague

to: Karen McCormick

05/17/2010 07:52 AM

Cc: John Ettinger, Barbara Keeler, Sharon Parrish

Kenneth Teague, PWS, Certified Senior Ecologist

Environmental Scientist
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mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/17/2010 08:04 AM
Subject: Re: Fw: dispersed oil in wetlands

Yep, got it. Thanks.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
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to: Barbara Keeler

05/17/2010 08:01 AM

Cc: Charlie Howell, Dawn Ison, jnyman, Laura Hunt, Mark Stead, Mike Schaub

Bear in mind though Barbara, Andy's work does not appear to deal with the primary aspect of dispersants that I think is currently on everybody's mind- 1) toxicity, primarily in the water column; 2) marine food web considerations.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Barbara Keeler/R6/USEPA/US

To: jnyman@lsu.edu

Cc: Laura Hunt/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Date: 05/17/2010 07:57 AM

Subject: Fw: dispersed oil in wetlands

ct:

Thanks, so much Andy. I've passed this along to those in office looking at this issue.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/17/2010 07:55 AM -----

Fw: dispersed oil in wetlands

Kenneth Teague

to: Karen McCormick

05/17/2010 07:52 AM

Cc: John Ettinger, Barbara Keeler, Sharon Parrish

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 07:52 AM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

Ken, Chris,

I realize that you're probably drowning in information, but I've conducted research on the fate of dispersed oil that reaches coastal wetlands (S. Louisiana crude dispersed with COREXIT 9500) . I've updated my website (<http://www.rnr.lsu.edu/nyman/>) to make it easier to obtain my oil spill publications. Here, I'm summarising some of the conclusions resulting from that research. Please pass this on as you see fit.

The first experiment I'll summarize is described in Nyman and McGinnis (1999). In salt marsh soils (*Spartina alterniflora* soil or *Juncus roemerianus* soil), dispersed S. Louisiana Crude disappeared (via biodegradation and evaporation) significantly slower than un-dispersed oil exposed only to natural biodegradation. Another product, the shoreline cleaner COREXIT 9580, accelerated oil disappearance from salt marsh soils relative to natural biodegradation. The fastest disappearance of S. Louisiana Crude from salt marsh soils occurred where fertilizer was added. See Figure 1 in Nyman and McGinnis (1999) for a graphical representation of those results. This fertilizer effect should be a logical consequence river flow to oiled marshes as well as the surface application of artificial fertilizers to oiled marshes. Note however that the nutrients in river water will reach the Gulf regardless but addition of artificial nutrients to oiled marshes would need to be considered in light of gulf hypoxia.

The second experiment I'll summarize is described in three publications. This experiment used fresh marsh soil (*Sagittaria lancifolia* soil or *Panicum hemitomon* soil, which dominate most of the tidal freshwater marshes in Louisiana) but realize that the fresh marshes at the Bird's Foot delta differ in vegetation and soils from most tidal freshwater marshes in Louisiana. In these fresh marsh soils, neither COREXIT 9580, COREXIT 9500, nor fertilizer altered disappearance (biodegradation and evaporation). See Nyman et al. (2007).

Another conclusion from this second experiment is that different chemical tests for petroleum hydrocarbons do not measure the same things with different levels of precision; instead, they measure different suites of hydrocarbons in the mixture created by crude oil and its partial degradation products. Hence no single chemical measure adequately describes all the hydrocarbons in a sample; this problem is greater in wetland soil samples than in wetland water samples. For details, also see Nyman et al. (2007).

Another conclusion from this second experiment is that dispersant oil reaching fresh marsh soil was more toxic to a fish, crustacean, and benthic invertebrate than undispersed oil for months after being added to marsh soil. For details, see Bhattacharyya et al. (2003).

A third conclusion from this second experiment is that chemical tests for hydrocarbons cannot substitute for actual toxicity determinations when attempting to accurately rank the toxicity of samples from oiled freshwater marshes. This has large implications regarding the habitual use of chemical tests to decide what places most need to be cleaned, what places are restored, etc. For details, see Klerks et al. (2004).

andy

Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215.

Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353.

Nyman, J.A and T.E. McGinnis. 1999. Effects of crude oil and spill-response-options on microbial functions and oil disappearance in salt marsh soils: Year 2. Department of Biology, University of Southwestern Louisiana. Louisiana Applied and Educational Oil Spill Research and Development Program, OSRADP Technical Report Series 99-007.

Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. *Environmental Pollution* 149:227-238.

Andy Nyman, Ph.D.
225 578-4220
<http://www.rnr.lsu.edu/nyman/>
jnyman@lsu.edu or
jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: "Andy Nyman" <jnyman@lsu.edu>
Date: 05/17/2010 08:09 AM
Subject: Re: dispersed oil in wetlands

Thanks Andy. I appreciate you communicating with Chris and I on this. And in case anybody here suggests to you that we are not interested, or don't need to know, please know that I am interested, and I suspect Chris is too.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
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Dallas, TX 75202
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jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: smbartell@aol.com
To: Kenneth Teague/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA

Cc: Tom_Denes@URSCorp.com
Date: 05/17/2010 09:27 AM
Subject: Ecological risks posed by BP oil spill

Ken, John

By way of introduction from Tom, I just wanted to briefly inform the USEPA that we have a version of the Comprehensive Aquatic Systems Model (CASM) in place for an area that includes Lake Borgne, Biloxi Marsh, and portions of the Gulf extending past the Chandeleurs Islands, east to Bay St. Louis and to the deeper Gulf waters. The model is a bioenergetics-based aquatic ecosystem model. The current version was funded by the Corps of Engineers to assess the effects of freshwater diversions on the production of a complex food web that includes oysters, blue crab, brown shrimp, white shrimp, Gulf sturgeon and several other fishes of ecological and commercial importance (e.g., bay anchovy, Gulf menhaden, red drum, Atlantic croaker, spotted sea trout). The CASM also includes phytoplankton, zooplankton, representative submerged aquatic plants, and emergent wetland plants.

The model can also be used to assess risks (lethal and sublethal effects) and recovery for scenarios of exposure to constituents of the BP spill. The CASM was originally developed for ecological risk assessment and we have only recently begun to use the model to assess the outcomes of ecosystem restoration. I can provide references to CASM risk assessments in the peer reviewed literature if you are interested.

The basic model structure could be adapted to other areas of the Gulf coast potentially exposed to BP oil. The model has been used to project ecological effects and recovery for exposures up to 55 years.

I'll be happy to address any questions if there is Agency interest in applying the CASM to BP oil risk assessment.

Sincerely,

Steve Bartell

Dr. Steven M. Bartell
Vice President of Environmental Modeling
E2 Consulting Engineers, Inc.
339 Whitecrest Drive
Maryville, TN 37801
PH 865.980.0560

FX 865.980.5744
CL 865.271.8107

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Tom_Denes@URSCorp.com
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/17/2010 09:38 AM
Subject: Fw: Ecological risks posed by BP oil spill

Ken,
I didn't mean from him to copy you. Sorry.

Tom Denes, PhD
Vice President
National USACE Civil Works Planning Program Director
URS Corporation
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
301-258-5853 (office)
240-506-0904 (cell)

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----- Forwarded by Tom Denes/Gaithersburg/URSCorp on 05/17/2010 10:38 AM -----

smbartell@aol.com

05/17/2010 10:26 AM

To Teague.Kenneth@epa.gov, Ettinger.John@epa.gov

Tom_Denes@URSCorp.com
cc

Ecological risks posed by BP oil spill
Subject

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From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA
Cc: John Ettinger/R6/USEPA/US@EPA
Date: 05/17/2010 09:40 AM
Subject: Fw: Ecological risks posed by BP oil spill

fyi. This is the first I have heard of this tool, so I really don't know anything about it. I must also mention, in the interest of disclosure, that Tom Denes is an old friend of mine from graduate school. Please note that I am not advocating this, simply passing the information along.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
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From: Kenneth Teague/R6/USEPA/US

To: Tom_Denes@URSCorp.com

Date: 05/17/2010 09:41 AM
Subject: Re: Fw: Ecological risks posed by BP oil spill

Thats ok Tom. John is not an ecologist.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
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To Teague.Kenneth@epa.gov, Ettinger.John@epa.gov

cc Tom_Denes@URSCorp.com

Subject Ecological risks posed by BP oil spill

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FX 865.980.5744
CL 865.271.8107[attachment "pic15724.gif" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: smbartell@aol.com
Cc: Tom_Denes@URSCorp.com
Date: 05/17/2010 09:43 AM
Subject: Re: Ecological risks posed by BP oil spill

Steve- Could you forward the model references? Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
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Date: 05/17/2010 10:18 AM
Subject: Fw: Ecological risks posed by BP oil spill

fyi

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Environmental Scientist
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Date: 05/17/2010 09:27 AM
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From: smbartell@aol.com
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Tom_Denes@URSCorp.com, John Ettinger/R6/USEPA/US@EPA
Date: 05/17/2010 10:19 AM
Subject: Re: Ecological risks posed by BP oil spill

Ken

I have attached some references and a brief description (that is a bit dated).

Thank you for your interest.

Steve Barell

Dr. Steven M. Bartell
Vice President of Environmental Modeling
E2 Consulting Engineers, Inc.
339 Whitecrest Drive
Maryville, TN 37801
PH 865.980.0560
FX 865.980.5744
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-----Original Message-----

From: Teague.Kenneth@epamail.epa.gov
To: smbartell@aol.com
Cc: Tom_Denes@URSCorp.com
Sent: Mon, May 17, 2010 10:43 am
Subject: Re: Ecological risks posed by BP oil spill

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EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: smbartell@aol.com
To: Kenneth Teague/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA
Cc: Tom_Denes@URSCorp.com
Date: 05/17/2010 09:27 AM
Subject: Ecological risks posed by BP oil spill

Ken, John

By way of introduction from Tom, I just wanted to briefly inform the USEPA that we have a version of the Comprehensive Aquatic Systems Model (CASM) in place for an area that includes Lake Borgne, Biloxi Marsh, and portions of the Gulf extending past the Chandeleurs Islands, east to Bay St. Louis and to the deeper Gulf waters. The model is a bioenergetics-based aquatic ecosystem model. The current version was funded by the Corps of Engineers to assess the effects of freshwater diversions on the production of a complex food web that includes oysters, blue crab, brown shrimp, white shrimp, Gulf sturgeon and several other fishes of ecological and commercial importance (e.g., bay anchovy, Gulf menhaden, red drum, Atlantic croaker, spotted sea trout). The CASM also includes phytoplankton, zooplankton, representative submerged aquatic plants, and emergent wetland plants.

The model can also be used to assess risks (lethal and sublethal effects) and recovery for scenarios of exposure to constituents of the BP spill. The CASM was originally developed for ecological risk assessment and we have only recently begun to use the model to assess the outcomes of ecosystem restoration. I can provide references to CASM risk assessments in the peer reviewed literature if you are interested.

The basic model structure could be adapted to other areas of the Gulf coast potentially exposed to BP oil. The model has been used to project ecological effects and recovery for exposures up to 55 years.

I'll be happy to address any questions if there is Agency interest in applying the CASM to BP oil risk assessment.

Sincerely,

Steve Bartell

Dr. Steven M. Bartell
Vice President of Environmental Modeling

E2 Consulting Engineers, Inc.
339 Whitecrest Drive
Maryville, TN 37801
PH 865.980.0560
FX 865.980.5744
CL 865.271.8107

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA
Cc: Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/17/2010 10:24 AM
Subject: Fw: Ecological risks posed by BP oil spill

fyi

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 10:23 AM -----

From: smbartell@aol.com
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Tom_Denes@URSCorp.com, John Ettinger/R6/USEPA/US@EPA
Date: 05/17/2010 10:19 AM
Subject: Re: Ecological risks posed by BP oil spill

Ken

I have attached some references and a brief description (that is a bit dated).

Thank you for your interest.

Steve Barell

Dr. Steven M. Bartell
Vice President of Environmental Modeling
E2 Consulting Engineers, Inc.
339 Whitecrest Drive
Maryville, TN 37801
PH 865.980.0560
FX 865.980.5744
CL 865.271.8107

-----Original Message-----

From: Teague.Kenneth@epamail.epa.gov

To: smbartell@aol.com

Cc: Tom_Denes@URSCorp.com

Sent: Mon, May 17, 2010 10:43 am

Subject: Re: Ecological risks posed by BP oil spill

Steve- Could you forward the model references? Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202

phone: 214-665-6687
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From: smbartell@aol.com
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Cc: Tom_Denes@URSCorp.com
Date: 05/17/2010 09:27 AM
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From: Chris Llewellyn/R6/USEPA/US@EPA
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/17/2010 12:32 PM
Subject: Oil Plume: What lurks beneath

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<http://www.cnn.com/2010/US/05/17/oil.spill.plumes/index.html?hpt=T2>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: "Andy Nyman" <jnyman@lsu.edu>

To: Kenneth Teague/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA

Cc: Charlie Howell/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA

Date: 05/17/2010 12:40 PM

Subject: RE: Fw: dispersed oil in wetlands

cc:

Ken,

Some of my research does address toxicity in the water column, see the Bhattacharrya paper (also the Klerks paper). Those papers are based on work this COREXIT 9500 in fresh water (fish = meddaka, crustacean = daphnia, benthic invert = chironomid larvae). I don't know how much of the dispersed oil will enter the freshwater plume of the Mississippi River, which is huge at this time of year. I realize that you most need toxicity studies of COREXIT in a salt water column; I wish I had done that.

andy

Andy Nyman, Ph.D.

225 578-4220

<http://www.rnr.lsu.edu/nyman/>

jnyman@lsu.edu or

jnyman@agcenter.lsu.edu

mailing address:

Renewable Natural Resources

LSU

Baton Rouge, LA 70803

From: Teague.Kenneth@epamail.epa.gov [<mailto:Teague.Kenneth@epamail.epa.gov>]

Sent: Mon 17-May-10 8:01 AM

To: Keeler.Barbara@epamail.epa.gov

Cc: Howell.Charlie@epamail.epa.gov; Ison.Dawn@epamail.epa.gov; Andy Nyman; Hunt.Laura@epamail.epa.gov; Stead.Mark@epamail.epa.gov; Schaub.Mike@epamail.epa.gov

Subject: Re: Fw: dispersed oil in wetlands

Bear in mind though Barbara, Andy's work does not appear to deal with the primary aspect of dispersants that I think is currently on everybody's mind- 1) toxicity, primarily in the water column; 2) marine food web considerations.

Kenneth Teague, PWS, Certified Senior Ecologist

Environmental Scientist

Marine and Coastal Section

EPA Region 6

1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202

phone: 214-665-6687

FAX: 214-665-6689

From: Barbara Keeler/R6/USEPA/US

To: jnyman@lsu.edu

Cc: Laura Hunt/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Date: 05/17/2010 07:57 AM

Subje Fw: dispersed oil in wetlands

ct:

Thanks, so much Andy. I've passed this along to those in office looking at this issue.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/17/2010 07:55 AM -----

Fw: dispersed oil in wetlands

Kenneth Teague

to: Karen McCormick

05/17/2010 07:52 AM

Cc: John Ettinger, Barbara Keeler, Sharon Parrish

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 07:52 AM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

Ken, Chris,

I realize that you're probably drowning in information, but I've conducted research on the fate of dispersed oil that reaches coastal wetlands (S. Louisiana crude dispersed with COREXIT 9500) . I've updated my website (<http://www.rnr.lsu.edu/nyman/>) to make it easier to obtain my oil spill publications. Here, I'm summarising some of the conclusions resulting from that research. Please pass this on as you see fit.

The first experiment I'll summarize is described in Nyman and McGinnis (1999). In salt marsh soils (*Spartina alterniflora* soil or *Juncus roemerianus* soil), dispersed S. Louisiana Crude disappeared (via biodegradation and evaporation) significantly slower than un-dispersed oil exposed only to natural biodegradation. Another product, the shoreline cleaner COREXIT 9580, accelerated oil disappearance from salt marsh soils relative to natural biodegradation. The fastest disappearance of S. Louisiana Crude from salt

marsh soils occurred where fertilizer was added. See Figure 1 in Nyman and McGinnis (1999) for a graphical representation of those results. This fertilizer effect should be a logical consequence river flow to oiled marshes as well as the surface application of artificial fertilizers to oiled marshes. Note however that the nutrients in river water will reach the Gulf regardless but addition of artificial nutrients to oiled marshes would need to be considered in light of gulf hypoxia.

The second experiment I'll summarize is described in three publications. This experiment used fresh marsh soil (*Sagittaria lancifolia* soil or *Panicum hemitomon* soil, which dominate most of the tidal freshwater marshes in Louisiana) but realize that the fresh marshes at the Bird's Foot delta differ in vegetation and soils from most tidal freshwater marshes in Louisiana. In these fresh marsh soils, neither COREXIT 9580, COREXIT 9500, nor fertilizer altered disappearance (biodegradation and evaporation). See Nyman et al. (2007).

Another conclusion from this second experiment is that different chemical tests for petroleum hydrocarbons do not measure the same things with different levels of precision; instead, they measure different suites of hydrocarbons in the mixture created by crude oil and its partial degradation products. Hence no single chemical measure adequately describes all the hydrocarbons in a sample; this problem is greater in wetland soil samples than in wetland water samples. For details, also see Nyman et al. (2007).

Another conclusion from this second experiment is that dispersant oil reaching fresh marsh soil was more toxic to a fish, crustacean, and benthic invertebrate than undispersed oil for months after being added to marsh soil. For details, see Bhattacharyya et al. (2003).

A third conclusion from this second experiment is that chemical tests for hydrocarbons cannot substitute for actual toxicity determinations when attempting to accurately rank the toxicity of samples from oiled freshwater marshes. This has large implications regarding the habitual use of chemical tests to decide what places most need to be cleaned, what places are restored, etc. For details, see Klerks et al. (2004).

andy

Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215.

Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353.

Nyman, J.A and T.E. McGinnis. 1999. Effects of crude oil and spill-response-options on microbial functions and oil disappearance in salt marsh soils: Year 2. Department of Biology, University of Southwestern Louisiana. Louisiana Applied and Educational Oil Spill Research and Development Program, OSRADP Technical Report Series 99-007.

Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. Environmental Pollution 149:227-238.

Andy Nyman, Ph.D.
225 578-4220
<http://www.rnr.lsu.edu/nyman/>
jnyman@lsu.edu or
jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;
Date: 05/17/2010 12:45 PM
Subject: More on BP B.S.

Folks-
See my conclusion to the BP B.S. post [here](#).
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr David Reazin/R6/USEPA/US
o

m:

To Barbara Keeler/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/17/2010 01:44 PM

te:

Su Region 6 WQ Situation Update #12 (5-17-2010)

bje

ct:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Chris Llewellyn/R6/USEPA/US@EPA

To: Kenneth Teague/R6/USEPA/US@EPA

Date: 05/17/2010 02:47 PM

Subject: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

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From: Kenneth Teague/R6/USEPA/US

To: nelson.may@noaa.gov
Date: 05/17/2010 02:56 PM
Subject: Fw: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

Nelson- The article below is what I was mentioning. Maybe some of those scientists could help answer your question. You may also want to ask some of the oceanographers from University of Southern Mississippi, there at Stennis.

I asked others here about the Houston Lab's expertise, and they're pretty sure its limited to laboratory instrumentation.

I think your best bet for consulting epa on the matter is Rick Greene. Also please note my comment about epa not having much oceanographic depth, was meant as an overall assessment of our expertise in this area, not Gulf Breeze Lab's, or Rick Greene's group. I think they are good scientists, and Rick is an oceanographer by training.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 02:50 PM -----

From: Chris Llewellyn/R6/USEPA/US@EPA
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/17/2010 02:47 PM
Subject: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

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From: Nelson.May@noaa.gov
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/17/2010 03:22 PM
Subject: Re: Fw: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

Hi Ken,
Thanks for the info. I talked with Rick Greene after our conversation this afternoon and it turns out that he had a couple of people on vessels deploying profilers through the slick whom I hope can give us some field insight.
Best, Nelson

----- Original Message -----

From: Teague.Kenneth@epamail.epa.gov
Date: Monday, May 17, 2010 2:56 pm
Subject: Fw: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

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> Kenneth Teague, PWS, Certified Senior Ecologist  
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> EPA Region 6  
> 1445 Ross Ave, Suite 1200 (6WQ-EC)  
> Dallas, TX 75202  
> phone: 214-665-6687  
> FAX: 214-665-6689  
> ----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/17/2010 02:50  
> PM -----  
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> From:  
> Chris Llewellyn/R6/USEPA/US@EPA  
> To:  
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From: Kenneth Teague/R6/USEPA/US
To: Nelson.May@noaa.gov
Date: 05/17/2010 03:46 PM
Subject: Re: Fw: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

fyi- I did just hear that some folks here have been worried about the same thing (as well as many other possible problems) for the National Coastal Assessment survey work, which is ongoing as well, in estuarine waters.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Nelson.May@noaa.gov
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Date: 05/17/2010 03:22 PM
Subject: Re: Fw: I just saw it on CNN.com: Scientists: Large oil plumes detected in Gulf may pose new threat

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> Kenneth Teague, PWS, Certified Senior Ecologist
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> Dallas, TX 75202
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> To:
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> Date:
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> Subject:
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Hendon/GB/USEPA/US@EPA, Dora Rodriguez/R6/USEPA/US@EPA, Jamesr Brown/R6/USEPA/US@EPA, Olivia-R Balandran/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Debbie Reynolds/R6/USEPA/US@EPA, Debora Browning/R6/USEPA/US@EPA, Karen Bick/R6/USEPA/US@EPA, Terry Branch/R6/USEPA/US@EPA, Timothy Herfel/R6/USEPA/US@EPA, Angel Kosfischer/R6/USEPA/US@EPA, Donald French/R6/USEPA/US@EPA, John Stadelman/R6/USEPA/US@EPA, Merylen Haynes/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Robert Kirkland/R6/USEPA/US@EPA, Diane Smith/R6/USEPA/US@EPA, Dorothy Brown/R6/USEPA/US@EPA, Evelyn Rosborough/R6/USEPA/US@EPA, Jenaie Franke/R6/USEPA/US@EPA, LaGayla Bradley/R6/USEPA/US@EPA, Stephanie Abbott/R6/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Teresa Clark/R6/USEPA/US@EPA, Joshua Waldmeier/R6/USEPA/US@EPA, Kay Schwab/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Michael Tillman/R6/USEPA/US@EPA, Monica Burrell/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Phillip Jennings/R6/USEPA/US@EPA, Richard Wooster/R6/USEPA/US@EPA, Rudy Molina/R6/USEPA/US@EPA, Syed Shahriyar/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA, Isaac Chen/R6/USEPA/US@EPA, Js Wilson/DC/USEPA/US@EPA, Larry Giglio/R6/USEPA/US@EPA, Maria Okpala/R6/USEPA/US@EPA, Nelly Smith/R6/USEPA/US@EPA, Paul Juarez/R6/USEPA/US@EPA, Rudy Molina/R6/USEPA/US@EPA, Scott Stine/R6/USEPA/US@EPA, Suzanna Perea/R6/USEPA/US@EPA, Syed Shahriyar/R6/USEPA/US@EPA, Curry Jones/R6/USEPA/US@EPA, Philip Hutchison/R6/USEPA/US@EPA, Quang Nguyen/R6/USEPA/US@EPA, Brian Mueller/R6/USEPA/US@EPA, LindaK Adams/R6/USEPA/US@EPA, Sala Senkayi/R6/USEPA/US@EPA, Natalie Berry/R6/USEPA/US@EPA, Amy Camacho/R6/USEPA/US@EPA, Andrea Abshire/R6/USEPA/US@EPA, Andrew Waite/R6/USEPA/US@EPA, Arnold Bierschenk/R6/USEPA/US@EPA, Blake Atkins/R6/USEPA/US@EPA, Damon McElroy/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Julie Hankinson/R6/USEPA/US@EPA, Ken Williams/R6/USEPA/US@EPA, Kim Ngo/R6/USEPA/US@EPA, Mark McCasland/R6/USEPA/US@EPA, Nancy Ho/R6/USEPA/US@EPA, Shirley Mlachak/R6/USEPA/US@EPA, Williamh Davis/R6/USEPA/US@EPA, Nichole Foster/R6/USEPA/US@EPA, Vanessa Kelly/R6/USEPA/US@EPA, Jatin Mistry/R6/USEPA/US@EPA, Angela Restivo/R6/USEPA/US@EPA, Brian Graves/R6/USEPA/US@EPA, Jose Torres/R6/USEPA/US@EPA, Ken-E Johnson/R6/USEPA/US@EPA, Lisa Pham/R6/USEPA/US@EPA, Michael Bechdol/R6/USEPA/US@EPA, Michael Overbay/R6/USEPA/US@EPA, Mike Frazier/R6/USEPA/US@EPA, Minnie Howard/R6/USEPA/US@EPA, Nancy Dorsey/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, Philip Dellinger/R6/USEPA/US@EPA, Ray Leissner/R6/USEPA/US@EPA, Robert Todd/R6/USEPA/US@EPA, Susie McKenzie/R6/USEPA/US@EPA, William Hurlbut/R6/USEPA/US@EPA

Cc: Alice Johnson/R6/USEPA/US@EPA, Mary LaBorn/R6/USEPA/US@EPA, Edgar Jeffrey/R6/USEPA/US@EPA, Dina Granado/R6/USEPA/US@EPA
Date: 05/17/2010 04:14 PM
Subject: ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

6WQ Employees, in case you inadvertently deleted the following All Employee Memo regarding instructions for Gulf Oil Spill Document Preservation/Litigation Hold, please note that you must read this memo in its entirety. **You are required to certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.** Thanks in advance for your continued cooperation.

Gaynelle Redd
Program Analyst
Water Quality Protection Division (6WQ)
214.665.6504

**This is being sent as R6 All Employee Memo - Please do not reply to this mass mailing
This memo and all Region 6 "All Employee Memos" may be viewed on the Region 6 Intranet**

NO HARD COPY TO FOLLOW

Thursday, May 13, 2010

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

Please read this memo in its entirety. We require that you certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.

The recent BP Oil Spill in the Gulf of Mexico is already generating lawsuits, and further litigation can be reasonably expected. As you may know, federal courts may impose sanctions on agencies for failure to preserve information required to be produced in litigation. Accordingly, we are sending this message to explain some of the steps that need to be taken to meet our legal obligation to preserve potentially relevant spill "information" (*i.e.*, not only documents, but also tangible things such as equipment and lab samples).

We are of course already subject to records retention obligations under the Federal Records Act, and faithful adherence to our record retention responsibilities remains critical in this context. That said, it is important to recognize that not all of the information that may be relevant to litigation is captured by what we consider “records” under our various record retention schedules. Additionally, while such schedules frequently allow for destruction of Agency records after a certain retention period, courts have regarded such destruction as inconsistent with evidence preservation responsibilities.

Consequently, we need to augment our record retention practices with special procedures in circumstances such as these. Indeed, the Department of Justice has requested all agencies engaged in the response to the BP Oil Spill to institute evidence preservation procedures as described below.

EPA Headquarters has established a national Gulf Oil Spill Information Preservation Working Group that will coordinate efforts to efficiently manage the preservation of potentially relevant information. The group is being led by Gary Jonesi of OGC. In Region 6, our lead contacts on this information preservation effort are Darrin Swartz-Larson and Verne McFarland, who will serve as liaisons to the national Working Group.

We will follow up with further instructions concerning how best to meet our preservation obligations. **In the interim, until you are notified otherwise, it is critical that you not destroy potentially relevant information pertaining to the fires and explosion that occurred at the Deepwater Horizon facility located about 60 miles from the Louisiana shore on or about April 20, 2010, the discharges of oil resulting from the explosion and fire, and any resulting response, damages, costs, or effects.**

The Duty to Preserve Potentially Relevant Information

It is incumbent on each of you to take appropriate steps to preserve any of the informational items described below that are in your possession, custody, or control (this could include contractors working under your supervision). You must preserve this information even if it otherwise could be destroyed, deleted or overwritten in the normal course of Agency operations. If information that is subject to a litigation hold is destroyed, a court in some circumstances may impose sanctions, exclude evidence, and/or dismiss a claim.

What Must Be Preserved

The information that must be preserved includes any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, and discharges of oil, responses to the fire, explosion, and discharges of oil, or the effects of the explosion, fire, or discharges. Examples of such information might include, but are not limited to, equipment or materials salvaged

during response actions, samples, and other physical things. Such information also includes documents such as inspection materials for the various facilities, including field notes and supporting documentation, analytical data for samples, internal communications regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

What You Need to Do

You must take the following steps with respect to the above-described materials. Please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115 if you need any assistance or have any questions.

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant ESI as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the "metadata" (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact Darrin Swartz-Larson and he will refer you to the appropriate information technology (IT) staff to explain it to you and assist you with specific problems you may face. You should expeditiously identify for Darrin Swartz-Larson any critical databases that may contain relevant information and which may be updated and cause the information to be lost, to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.
3. Take steps to prevent the destruction of any potentially relevant information that has been transferred to a Federal Records Center or any other location.
4. Do not transfer any potentially relevant information to a Federal Records Center or any other location unless you have discussed it with Darrin Swartz-Larson and he has agreed that the information will be adequately preserved after being transferred and is not needed in its present location for purposes of this matter.
5. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer

or hard drive containing relevant information is retired or reimaged, whether because of a departing employee or otherwise, please contact Darrin Swartz-Larson to ensure that the agency retains access to potentially relevant information after the retirement or upgrade.

6. Contact Darrin Swartz-Larson if there are any staffing changes in your office that may affect compliance with these instructions, such as the retirement or departure of people who have done work related to this matter or new or additional people doing work relating to this matter.

7. Treat non-identical copies of documents (word processing files, spreadsheets, etc.) as if they were unique and save, at a minimum, the latest version and all versions that were shared with others. Call Darrin Swartz-Larson to assist you in determining which other intermediate drafts, if any, to save.

8. If potentially relevant ESI has not been preserved, then immediately contact Darrin Swartz-Larson. Under some circumstances, IT staff may be able to recover information.

9. To the maximum extent possible, maintain information subject to the litigation hold in an orderly, readily retrievable manner. This will greatly facilitate later production of the information, as required.

- Set up electronic and hard copy folders to preserve relevant information that you generate, including electronic communication, and establish separate files for confidential and public information.

- Copy email that you create related to this matter to R6_DWH_Info@epa.gov, and forward email you receive related to this matter to this email box if it has not been copied to it. Please see the R6 Advisory, Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions, issued on May 7, 2010, for more information.

10. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact Darrin Swartz-Larson.

11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

12. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions.

13. If at all possible, do not send e-mails or other communications concerning this matter from personal e-mail accounts or do work on this matter on home computers, personal PDAs, or other non-EPA electronic devices. Please be advised that using personal e-mail accounts or personal electronic equipment may subject such items to a required search in litigation.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by clicking here .

If you have any questions regarding these instructions, please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Brad Crawford/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/18/2010 06:45 AM
Subject: Re: Fw: Whiskey Island vs Oil Impacts

No problem....This was a spur of the moment task that Karen assigned to me and it was unfamiliar territory..

Later..

<>< >< <>< >< <>< ><

Brad Crawford, P.E.

US EPA (6WQ-EC)

1445 Ross Ave.

Dallas, TX 75202

214.665.7255

214.665.6689 fax

<>< >< <>< >< <>< ><

"Know a tree by its fruit"

From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA
Date: 05/12/2010 08:43 AM
Subject: Fw: Whiskey Island vs Oil Impacts

Brad- Could you copy me on this kind of stuff? I have a project on Whiskey too.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/12/2010 08:43 AM -----

From: Mark W Hester <mwh4003@louisiana.edu>
To: Brad Crawford/R6/USEPA/US@EPA

Cc: Brad Miller <Brad.Miller@LA.GOV>, Darin Lee <Darin.Lee@LA.GOV>, Jerry Carroll <Jerry.Carroll@LA.GOV>, Mark Hester <mhester@louisiana.edu>, Kenneth Teague/R6/USEPA/US@EPA

Date: 05/12/2010 08:27 AM

Subje Re: Whiskey Island vs Oil Impacts

ct:

Hi Brad C.,

Left cell message yesterday eve. YES, my lab is out there planting demo sea oats; and YES, they verified that there is some oil on the Whiskey Is. beach but not marsh/backside. I may get some dig. pics sent to me tonight from them -if so, will forward on. My lab manager, Jonathan, is in contact with Cassidy daily - understanding is booms may be deployed, but would take seeeverla days to do so. We can complete the sea oats portion of the demo by Friday (other plants not yet available from contract grower, so we would like to complete the sea oats planting, baseline soil/plant sampling, and trt applications this week to min. further delays).

Cell best contact method for me -right arm out of service since Monday tendon re-attachmnet surgery. . . can't get Dragon speak voice recognition software working yet . . .

Best,
Mark

----- Original Message -----

From: "Crawford Brad" <Crawford.Brad@epamail.epa.gov>

To: "Brad Miller" <Brad.Miller@LA.GOV>, "Dr Mark Hester" <mhester@louisiana.edu>, "Darin Lee"

<Darin.Lee@LA.GOV>, "Jerry Carroll" <Jerry.Carroll@LA.GOV>

Sent: Tuesday, May 11, 2010 12:46:37 PM GMT -06:00 US/Canada Central

Subject: Whiskey Island vs Oil Impacts

All....

We have received a "situational report" from FWS which indicates that the oil spill has reached Whiskey Island. I have been instructed to follow up and confirm whether or not there has been an impact and try to determine if the project features are in jeopardy. It is my understanding that the planters may be out there now and could verify the information. Pictures would be great if available.

It is also my understanding that we may have recourse to apply mitigation measures should they be needed

(e.g. oil booms). Let me know asap your thoughts on the matter. Let me know if a trip to the island is warranted.

We are from the federal government and are here to help.

Please let me know what you know asap....

Thanks..

<> <> <> <> <> <>

Brad Crawford, P.E.

US EPA (6WQ-EC)

1445 Ross Ave.

Dallas, TX 75202

214.665.7255

214.665.6689 fax

<> <> <> <> <> <>

"Know a tree by its fruit"

--

Mark W. Hester

Coastal Plant Ecology Lab

Biology Department

University of Louisiana at Lafayette

PO Box 42451

Lafayette, LA 70504-2451

Email: mhester@louisiana.edu

Office: (337) 482-5246

Cell: (504) 237-1151

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr
o Charlie Howell/R6/USEPA/US

m:

To Charlie Howell/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA,

: Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA
Cc Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Sharon
: Parrish/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Da 05/18/2010 09:11 AM
te:

Su Deepwater Horizon Incident - Daily Time-tracking Log - Update Daily before 10:00am
bje
ct:

The Branch must now submit daily updates about time and overtime spent on the BP Spill Response. The data is to be used by Incident Command to estimate daily expenditures associated with the spill. Please use the spreadsheet accessible via the following link for that purpose and update the spreadsheet **daily** when you have worked on the spill during the previous day.

<https://spreadsheets.google.com/ccc?key=0AgIJQo4S1fMAdGFwLS1XblJBQ2F1MzNZaTNVbkVlekE&hl=en>

Due Daily before 10:00am

Please note that this reporting system does not replace procedures for requesting authorization and accounting for overtime, nor biweekly time reporting via People Plus.

Please let me know, if you have any problems with access or editing the spreadsheet. Also, please share the link with others in the Ecosystems Protection Branch who are working on the spill (who'd I miss?)

Distribution:

R6 6WQ-EA, Matt Hubner/R6/USEPA/US, Renee Bellew/R6/USEPA/US, Barbara Keeler/R6/USEPA/US

Karen McCormick/R6/USEPA/US, Dawn Ison/R6/USEPA/US, Jane Watson/R6/USEPA/US, Philip Crocker/R6/USEPA/US, Sharon Parrish/R6/USEPA/US, Kenneth Teague/R6/USEPA/US

Charlie Howell

EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA

Cc: Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA

Date: 05/18/2010 09:47 AM

Subje Interesting Blog on the Oil Spill in Nature
ct:

Nature of course, is one of the top two pre-eminent general science journals in the world (along with Science):

http://blogs.nature.com/news/thegreatbeyond/earth_environment_ecology/oil_spill_science/

Scroll down to see several posts.

I wonder if this is the research that was mentioned in the 10:30 meeting yesterday?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr Kenneth Teague/R6/USEPA/US
o

m:

To Karen McCormick/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt
: Hubner/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA

Da 05/18/2010 09:54 AM

te:

Su Interesting News Article on Dispersants in Latest Issue of Nature

bje

ct:

<http://www.nature.com/news/2010/100512/full/news.2010.237.html>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr Kenneth Teague/R6/USEPA/US
o

m:

To Karen McCormick/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt

: Hubner/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA

Da 05/18/2010 09:58 AM

te:

Su Link to NRC study on Dispersants

bje

ct:

http://www.nap.edu/catalog.php?record_id=11283#toc

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA

Date: 05/19/2010 04:33 PM

Subje Bob Howarth Comments on Oil Spill

ct:

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr Kenneth Teague/R6/USEPA/US
o

m:

To Karen McCormick/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark
: Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA

Cc
: Jane Watson/R6/USEPA/US@EPA

Da 05/19/2010 04:50 PM
te:

Su Oil and the Dead Zone Article
bje
ct:

<http://news.sciencemag.org/scienceinsider/2010/05/oil-and-the-dead-zone.html>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687

FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/20/2010 08:52 AM
Subject: Fw: New Cut planting May 24-28

Note that Mark Hester's staff is apparently requesting that we (and/or others) assist them by getting some kind of change in the activities on this island, temporarily. I'm guessing we don't have the ability to do that. And it might be essential to the oil spill response effort? But I guess I'm suggesting we at least consider whether we might be able to assist somehow. LDWF, as the landowner, may be in a better position to direct changes.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/20/2010 08:36 AM -----

Fr Christine Pickens <christine.pickens@gmail.com>
o

m:

To Cassidy Lejeune <clejeune@wlf.louisiana.gov>, Michael Carloss <mcarloss@wlf.louisiana.gov>, Kenneth Teague/R6/USEPA/US@EPA, Brad Miller <Brad.Miller@la.gov>, Darin Lee
: <darin.lee@la.gov>, Shane Faust <Shane.Faust@la.gov>

Cc
: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Dupuis Michael J <mjd6489@louisiana.edu>

Da 05/19/2010 08:32 PM
te:

Su New Cut planting May 24-28

bje

ct:

Greetings,

I am writing to confirm that Dr. Hester's group will be planting 3 species on the swale at New Cut next week, May 24-28th. I will be the contact on the ground during this week; you can reach me on my cell phone at 225-931-2073.

This evening I spoke with Stanley, the contracted grower, and he mentioned that there was a good deal of boat activity at New Cut/California Canal today (but didn't see any booms). Is this area being used by oil response crews, and if so, would it be possible to limit activity to only people involved with the planting on the east half of the island? Thank you for your consideration.

Sincerely,
Christine Pickens

--

Christine N. Pickens
Louisiana Board of Regents Fellow
Coastal Plant Ecology Lab
University of Louisiana at Lafayette

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients;

Date: 05/20/2010 09:08 AM

Suggested new logo for BP

Subject:

Folks-

- 1) Thought you'd be interested in my proposed new BP logo.
- 2) Also, here's today's minipost.
- 3) Finally, I'm working furiously on a post on the emergency 90 mile island building project being pushed by the state. It's generating enormous interest on the part of the science community.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Jane Watson/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 05/20/2010 10:01 AM
Subject: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

Jane B. Watson, Ph.D.
Associate Director
Water Quality Protection Division
EPA Region 6
214 665 6653

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Please take a look at Tim's comments below on enhanced boom process. Our window to provide comments is 1:00 today.

----- Forwarded by Jane Watson/R6/USEPA/US on 05/20/2010 09:59 AM -----

Re: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF) [Link](#)

John Ettinger

to: Jane Watson

05/20/2010 08:50 AM

Sounds good.

----- Original Message -----

From: Jane Watson

Sent: 05/20/2010 09:45 AM EDT

To: "John Ettinger" <Ettinger.John@EPA.GOV>

Subject: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

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From: Timothy Landers

Sent: 05/19/2010 06:31 PM EDT

To: Denise Keehner; Karen McCormick; Sharon Parrish; Clay Miller; William Honker; Jane Watson; John Ettinger; David Evans; Brian Frazer; Gregory Peck; Brittany Croll; Robert Wood

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Tim Landers
202-236-7456

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To:

To: McCormick.Karen@epamail.epa.gov, "Sharon Parrish" <Parrish.Sharon@epamail.epa.gov>, "Clay Miller" <Miller.Clay@epamail.epa.gov>, "Timothy Landers" <Landers.Timothy@epamail.epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Jane Watson" <Watson.Jane@epamail.epa.gov>
Date: 05/19/2010 05:29 PM
Subject:

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From: bje
To: ct:

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- . Typical plan layout
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darrell.barbara@usace.army.mil

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Timothy Landers	t o Denise Keehner, McCormick.Karen, Sharon Parrish, Clay Miller, Mr. William Honker, Jane Watson, : John Ettinger, David Evans, Brian Frazer, Gregory Peck, Brittany Croll, Robert Wood	05/19/2010 05:32 PM
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Dallas, TX 75202
phone: 214-665-6687
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Subject: BP Oil Spill Response--proposed emergency work near Biloxi Marsh area, St. Bernard Parish, Louisiana

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MVN Regulatory is in receipt of a new emergency response request from the State of Louisiana, Department of Natural Resources, on behalf of British Petroleum; which includes installation of pilings, harbor booms, and sea booms, extending approximately 10 miles, just east of the Biloxi Marsh area, in St. Bernard Parish, Louisiana. Preliminary information received by DNR stipulated that there will be two rows of piles with 250' between the rows and 500' between piles in row. Booms will be staggered in two rows as per the USCG. This is a proposed (4 level operation) to include Skimmer Boats, two staggered rows of booms, and on-site cleanup vessels. Approximately 9,000' feet of Skirted Sea Boom and 5,000' feet of harbor boom will be utilized in the mission.

Please submit any comments to this proposal by 12:00 pm, Thursday May 20, 2010. Darrell Barbara will be the PM handling comments and/or information requests relevant to this proposed emergency plan.

See Attachments:
. Typical Cross Sectional
. Location Map
. Typical plan layout
. Lat. and Longs.

Sample Photos to come in a follow up email.

Darrell S. Barbara
Environmental Resource Specialist / Project Manag.
Permit Evaluation Sec. / Regulatory Br.

US Army Corps of Engineers, New Orleans Dist.
(504)862-2260 / fax: (504)862-2117
darrell.barbara@usace.army.mil

[attachment "Cross section plan.doc" deleted by John Ettinger/R6/USEPA/US]
[attachment "PILES.bmp" deleted by John Ettinger/R6/USEPA/US]
[attachment "boom lay out.doc" deleted by John Ettinger/R6/USEPA/US]
[attachment "PILE LOCATIONS PLANED 05-18-10.xls" deleted by John Ettinger/R6/USEPA/US]
[attachment "reroute map 05-18-10 LOW RES.pdf" deleted by John Ettinger/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Brad Crawford/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/20/2010 11:33 AM
Subject: Re: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

Engineering wise, it should be easy to do. Impacts from construction could be held to a minimum as long as they are not having to dredge floatation access. The pilings could potentially be a hazard to navigation, but hopefully they are placed strategically, to minimize the chances... I am not familiar with any required permitting that may be required,,

FYI.... I could not open all of the attachments...

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Brad Crawford, P.E.
US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255
214.665.6689 fax

<>< ><> <>< ><> <>< ><>

"Know a tree by its fruit"

From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Cc: Brad Crawford/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/20/2010 11:13 AM
Subject: Re: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

I see little concern for the use of pilings and oil spill booms. Of course there is a minor concern, in general, for the potential of booms to become coastal debris, but under the circumstances, this seems an acceptable risk. It certainly doesn't raise as many questions for me as the sand barrier proposals did.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6

1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Jane Watson/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 05/20/2010 10:01 AM
Subject: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

Jane B. Watson, Ph.D.
Associate Director
Water Quality Protection Division
EPA Region 6
214 665 6653

Gentlemen,

Please take a look at Tim's comments below on enhanced boom process. Our window to provide comments is 1:00 today.

----- Forwarded by Jane Watson/R6/USEPA/US on 05/20/2010 09:59 AM -----

Re: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF) [Link](#)

John Ettinger

to: Jane Watson

05/20/2010 08:50 AM

Sounds good.

----- Original Message -----

From: Jane Watson

Sent: 05/20/2010 09:45 AM EDT

To: "John Ettinger" <Ettinger.John@EPA.GOV>

Subject: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

These comments look good to me, John, I can ask Brad/Paul/ Ken to take a look. I've noted the time window. Thanks, Jane

----- Original Message -----

From: Timothy Landers

Sent: 05/19/2010 06:31 PM EDT

To: Denise Keehner; Karen McCormick; Sharon Parrish; Clay Miller; William Honker; Jane Watson; John Ettinger; David Evans; Brian Frazer; Gregory Peck; Brittany Croll; Robert Wood

Subject: Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

All:

Clay and I just received this information from Region 6. The State (on behalf of BP) is requesting emergency Corps authorization for placement of approx 10 miles of pilings and associated oil boom structures in vicinity of Biloxi Marsh area, St. Bernard Parish, LA. Many of the attached files appear corrupted, but what we can deduce suggests there would be two rows of piles with 250' between the rows and 500' between piles in each row. Booms will be staggered in two rows as per direction of the U.S. Coast Guard. This is a proposed 4-level operation to include Skimmer Boats, two staggered rows of booms, and on-site cleanup vessels. Deployment of this technology would appear to be more consistent with oil spill intercept objective than earlier-proposed sand berms.

From an environmental standpoint, we would suggest any authorization include the following conditions:

- 1) Pilings and associated oil booms should be considered temporary structures and removed in their entirety upon conclusion of spill clean-up effort.
- 2) Pilings and associated booms should not be placed in or through existing coastal marshes.
- 3) Pilings and associated booms should be positioned as far Gulfward of existing marsh as possible, while still allowing for accomplishment of oil intercept objective, to minimize further impacts to existing marsh resulting from actual construction, emergency boats and other equipment traffic, and clean-up activities.

From a programmatic standpoint, it is not clear whether this latest proposal has been (or needs to be) approved by the NIC, or whether funding

source has been identified (either from BP or OSLTF). The draft comments above have been quickly coordinated with John Ettinger and Karen McCormick of Region 6. Please advise as to any next steps OWOW or the Region are to take on this proposed action. Thank you.

Tim Landers
202-236-7456

----- Forwarded by Timothy Landers/DC/USEPA/US on 05/19/2010 05:50 PM -----

Fr John Ettinger/R6/USEPA/US
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m:

To McCormick.Karen@epamail.epa.gov, "Sharon Parrish" <Parrish.Sharon@epamail.epa.gov>, "Clay Miller" <Miller.Clay@epamail.epa.gov>, "Timothy Landers"
: <Landers.Timothy@epamail.epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Jane Watson" <Watson.Jane@epamail.epa.gov>

Da 05/19/2010 05:29 PM
te:

Su Fw: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)
bje
ct:

All:

Following is the latest request for emergency authorization.

Clay and Tim,

Could you advise as to whether this is something HQ would lead on? Thanks in advance.

----- Original Message -----

From: "Barbara, Darrell MVN" [Darrell.Barbara@usace.army.mil]

Sent: 05/19/2010 04:04 PM EST

To: <jim_boggs@fws.gov>; <Patti_Holland@fws.gov>; <patrick.williams@noaa.gov>; <richard.hartman@noaa.gov>; <rachel.sweeney@noaa.gov>; <kbalkum@wlf.louisiana.gov>; <Karl.Morgan@la.gov>; "Christine Charrier" <Christine.Charrier@LA.GOV>; "Jamie Phillippe" <Jamie.Phillippe@LA.GOV>; John Ettinger; <kenneth_litzenberger@fws.gov>
Cc: "Serio, Pete J MVN" <Pete.J.Serio@usace.army.mil>; "Farabee, Michael V MVN" <Michael.V.Farabee@usace.army.mil>; "Mayer, Martin S MVN" <Martin.S.Mayer@usace.army.mil>; "Tewis, Robert M MVN" <Robert.M.Tewis2@usace.army.mil>; "Duke, Ronnie W MVN" <Ronnie.W.Duke@usace.army.mil>
Subject: FW: BP Oil Spill Response---Emergency Request---Agency Notification--- (MVN-2010-1143-EFF)

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- . Location Map
- . Typical plan layout
- . Lat. and Longs.

Sample Photos to come in a follow up email.

Darrell S. Barbara
Environmental Resource Specialist / Project Manag.

Permit Evaluation Sec. / Regulatory Br.
US Army Corps of Engineers, New Orleans Dist.
(504)862-2260 / fax: (504)862-2117
darrell.barbara@usace.army.mil

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr David Reazin/R6/USEPA/US
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m:

To Barbara Keeler/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul

Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/20/2010 01:49 PM
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Su Region 6 WQ Situation Update #15 (5-20-2010)
bje
ct:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/20/2010 04:04 PM
Subject: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

Ken, this was done rapidly as I attended to other oil spill issues, so be gentle! It is not for release so keep it close. Jane asked for this just to start thinking about what, if anything, she might want to do to encourage HQ not to back off on hypoxia work (or opportunities to fund work) due to the demands of the oil spill. This may not be what she wants, may not be something she moves forward with, and it may not capture her current thinking. However, while she's looking at it, I'd like to get any thoughts you might have with regard to additional "targeted studies" (see caption by this title). Thanks tons.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733

tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/20/2010 03:58 PM -----

Hypoxia & Oil Spill Draft Internal Position Paper

Barbara Keeler

to: Jane Watson

05/20/2010 03:31 PM

Cc: Karen McCormick, Tina Hendon, Robert Kirkland, Patricia-A Taylor, John Ettinger

Jane, as you requested Tuesday afternoon, here is a draft position paper urging HQ to continue or step up funding for types of hypoxia work that would not interfere with ongoing oil spill response efforts. This is just a first draft for your consideration before we go further.

Thanks to Tina Hendon for a quick review and suggestions, to Bob Kirkland for creating the great graphic in no time at all, and to Sharon Hayes for verbiage I copied from the combined R6/R4/OW ecological impacts report.

While you are digesting this version, I'll send it along to Ken Teague (our big gun on hypoxia) for his consideration with regard to other potential "targeted studies."

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
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e-mail: keeler.barbara@epa.gov

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Fr Karen McCormick/R6/USEPA/US
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To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John
: Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A
Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA

Da 05/20/2010 11:01 PM

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FYI

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 05/20/2010 11:00 PM -----

SRICT

Karen McCormick

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Jane Watson, William Honker, Miguel Flores

05/20/2010 11:00 PM

Cc: Dawn Ison, Charlie Howell, Philip Crocker, Doug Mundrick, Chris Thomas, John Ettinger

Hi everyone - One thing that came out after the meeting is that ALL correspondence MUST go through EPA Headquarters and that EPA personnel are NOT ALLOWED to distribute any documents to any entity outside of EPA. This also includes discussions of any so said documents to other Federal, State, local, etc. and EPA's actions or other agencies actions for the spill. Not sure why.....might need to get more clarification.

Items from 3:30pm RICT Meeting

- Water Sampling Teams are sampling in Terrebone Bay today and Venice tomorrow
- Superfund issued a Directive through Admiral Laundry for BP to use a less toxic dispersant. REOC was conducting an emergency RRT call per this discuss and giving BP 72 hours. Corexit Dispersant Stock has been depleted.
- All sampling efforts for the BP spill in Louisiana only have cost approximately ½ million dollars
- Jane Watson, Water Quality Protection Division and Mark Hansen, Superfund participated in State Health Department conference call today
- OGC potentially issuing a directive to BP for waste management / characterization for crude oil waste stream and directing which landfill for disposal. OGC still investigating if such a directive is legal under CWA 311 (c). Concerns were expressed from "Lessons Learned" from Hurricane Katrina to avoid potential unfair business practices for those landfills not used by directive for waste stream. Suggestion was to post landfill observers at ALL landfills.
- Tulane Professor expressed concern to EPA..... if EPA allows BP under their NPDES permit to continue to discharge would that exempt BP's liability for any potential NRDA damages. OGC is investigating and getting clarification.
- Discussion of working with unified command for Barrier Island beach cleanup due to potential Sacred Indian burial grounds and working with tribe for identification.

- WQ has assigned water personnel to coordinate with REOC on initially make the determination about water data prior to posting onto EPA BP spill website.
- Admiral Allen at 1 pm today was visiting with Governor Jindal to convey to the Governor that the sand berm proposal is not a preferred response action. EPA R6 continues to make comments on various barrier proposals and forwards those comments to EPA Headquarters. EPA Headquarters is the lead for ALL Barrier Proposals and ALL comments must be addressed to EPA Headquarters.
- Oil is intruding into marsh/wetland areas around Pass a Loutre. REOC Rep expressed that a majority of boom deployed is not protecting critical habitats because of oil escaping booms due to the ocean wave actions.

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/21/2010 08:06 AM
Subject: Re: Fw: SRICT

Karen- Obviously I haven't been involved in this so I don't know much, but I noticed the item about "sacred Indian burial grounds on barrier islands". If this is about Louisiana barrier islands, I very seriously doubt that is a legitimate concern. The main reason is that these islands migrate very rapidly, so they are not in the same place where they would have been if anybody was buried on them a long time ago. I don't think human remains would have migrated with the sand. The area is also so highly degraded that the islands do not remotely resemble the landmasses that existed there 100 years ago. I suppose depending on how the law reads all this might not matter, but it seems there are some common sense

issues here.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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Fr Karen McCormick/R6/USEPA/US
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To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John
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FYI

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 office: 214-665-8365
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients;;
Date: 05/21/2010 09:39 AM
Subject: Sandy Bandaaid project review

Folks-

Here's the first part of a critique of the Jindal-Nungesser barrier berm project envisioned to protect marshes from BP oil that awaits federal approval.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Barbara Keeler/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA
Date: 05/21/2010 09:49 AM
Subject: Re: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

As I mentioned to Jane yesterday when she mentioned the idea to me, I do think it is reasonable to try to avoid losing attention on Gulf hypoxia, as the oil spill dominates the agency's attention in the Gulf. I also think that, approached correctly, the concept of multiple impacts on the Gulf, and specifically hypoxia and the oil spill (and possibly coastal wetland loss), is a valid perspective presently, or at least a reasonable possibility, *depending on what the spill effects end up being.*

However, I don't really see that this does much at all to argue for continued commitment to a 303(d) listing of Louisiana state Gulf waters for dissolved oxygen. If that is really the intent, then a much more explicit focus on that, and appropriate supporting arguments, would seem to be needed.

That said, I am not sure that I agree with the emphasis on a fishery population focus. And if that is the decision anyway, I question why EPA would lead such an effort, given NMFS' expertise and responsibilities in this area. EPA is not a fishery agency. I would argue for a broader cumulative

impacts assessment framework, an ecosystem perspective, with the emphasis on oil spill impacts and hypoxia impacts (and possibly coastal wetland loss impacts).

Further, I see little effort proposed here that would assist with reducing Gulf hypoxia.

I find lots of technical problems with the details here. See my "track changes".

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
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1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/20/2010 04:04 PM
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[attachment "Hypoxia vs Oil Spill.doc" deleted by Kenneth Teague/R6/USEPA/US]

Barbara Keeler
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Date: 05/21/2010 09:58 AM

Subject: Fw: Sandy Bandid project review

cc:

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/21/2010 09:58 AM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients;

Date: 05/21/2010 09:39 AM

Subject: Sandy Bandid project review

Folks-

Here's the first part of a critique of the Jindal-Nungesser barrier berm project envisioned to protect marshes from BP oil that awaits federal approval.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA
Date: 05/21/2010 10:06 AM
Subject: Re: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

Ken, Jane specifically asked that we include the fisheries impact work and we'll see if she has further thoughts on it, once she reads the draft. Thanks for your comments.

-----Kenneth Teague/R6/USEPA/US wrote: -----

To: Barbara Keeler/R6/USEPA/US@EPA
From: Kenneth Teague/R6/USEPA/US
Date: 05/21/2010 09:49AM
Cc: Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA
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I find lots of technical problems with the details here. See my "track changes".

(See attached file: hypoxiaoilspill.doc)

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Barbara Keeler---05/20/2010 04:04:19 PM---Ken, this was done rapidly as I attended to other oil spill issues, so be gentle! It is not for rel

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Hypoxia & Oil Spill Draft Internal Position Paper

Barbara Keeler

to: Jane Watson

05/20/2010 03:31 PM

Cc Karen McCormick, Tina Hendon, Robert Kirkland, Patricia-A Taylor, John Ettinger

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[attachment "hypoxiaoilspill.doc" removed by Barbara Keeler/R6/USEPA/US]

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From: Kenneth Teague/R6/USEPA/US
To: Mark Stead/R6/USEPA/US@EPA
Date: 05/21/2010 10:11 AM
Subject: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

fyi- Apparently the fishery focus was Jane's idea.

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To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/20/2010 04:04 PM
Subject: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

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Barbara Keeler

to: Jane Watson

05/20/2010 03:31 PM

Cc: Karen McCormick, Tina Hendon, Robert Kirkland, Patricia-A Taylor, John Ettinger
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To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/21/2010 12:05 PM
Subject: Re: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

This document they put together seems to mimic some of the "advance the science" objectives in the hypoxia action plan. Not much here about this listing as you mentioned.

Mark Stead
EPA Region 6
Water Monitoring and Assessment Section 6WQ-EA
(214) 665-2271
stead.mark@epa.gov

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Kenneth Teague

to: Mark Stead

05/21/2010 10:11 AM

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05/20/2010 03:31 PM

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Date: 05/21/2010 12:19 PM
Subject: Re: Fw: Hypoxia & Oil Spill Draft Internal Position Paper

If the intent really is to advocate for continued emphasis on the potential listing specifically, I don't see this does anything for that. Secondly, I don't see EPA as being the obvious choice for undertaking the fisheries impact analysis and related economics analysis. That is clearly NMFS' area of responsibility and expertise. The item about nutrient reduction strategies could be helpful, but its barely mentioned with no followup.

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Fr David Reazin/R6/USEPA/US
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To Barbara Keeler/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/21/2010 01:53 PM
te:

Su Region 6 WQ Situation Update #16 (5-21-2010)
bje
ct:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr David Reazin/R6/USEPA/US
o

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Date: 05/21/2010 02:26 PM
Subject:

Subject: Revised Region 6 WQ Situation Update #16
bje
ct:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Jane Watson/R6/USEPA/US
To: Dugan Sabins <Dugan.Sabins@LA.GOV>
Cc: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/21/2010 04:30 PM
Subject: Re: Beneficial Use Project/Proposal

Jane B. Watson, Ph.D.
Associate Director
Water Quality Protection Division
EPA Region 6
214 665 6653

Thanks, Dugan. I think the CEQ Roadmap effort is moving into the area of beneficial use, there is a workgroup dedicated to sediment management staffed by Brenn Haas of OCPR. This may subsume the CC work on this issue.

Beneficial Use Project/Proposal

Dugan Sabins

to: Jane Watson, Kenneth Teague

05/20/2010 03:11 PM

Cc:

Stephen Bainter

Since you all were on the Hypoxia CC call this afternoon, it reminded me to catch up with you on the progress with the beneficial use work. Rick Raynie and Jim Paul with the OCPR have shown me some work being done on the federal standard as it relates to beneficial use and it looks like they are making some progress there. LDNR is also involved with it from their CZM responsibility. However, as you can imagine, the oil spill response has caused some realignment and now it looks like the Governor's Office wants to see about using some of the dredged sediment for protecting the barrier islands from oil impact. Rick says that it would involve some of the same dredged material that we were considering for the marsh restoration work in our proposal. Obviously we will have to let all this play out and then get back together to see where we stand going forward. The Governor is trying to expedite the permit process with the Corps to do the emergency dredging and you are probably following this also.

I had heard of the Whiskey and Raccoon Island oil impacts and we have also had word of some on Fourchon beach but in small patches and sheens. The Wildlife and Fisheries has been active in closing some of these areas to commercial and recreational activity but then has reconsidered in some areas where there was not enough oil impact and allow some oysters and shrimp to be harvested before they may be really be impacted and to not completely close down the recreational and commercial fishing industry. Many fishing guides are out and catching good numbers of trout, redfish and offshore they are catching some yellowfin tuna. There is also a lot of brown shrimp showing up in the marshes and backside of the barrier islands and bait dealers have a good supply so they want people to come fishing. In fact a group of our fly fishers will be going down to Golden Meadow/Grand Isle this weekend so I will see it all first hand. So the WLF is trying to take all this into account when issuing their fishing closures for Louisiana waters.

Dugan

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/23/2010 07:32 AM
Subject: Miniposts featuring Bob Marshall and Tom Toles

Folks-
Oil disaster commentary definitely worth reading/seeing: [here](#).
Len

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To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/24/2010 08:00 AM
Subject: Re: Fw: Beneficial Use Project/Proposal

FYI, BU and fed. std. are topics I work on for us through many different regulatory and planning efforts.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Fw: Beneficial Use Project/Proposal

Kenneth Teague

to: John Ettinger

05/24/2010 07:58 AM

Cc: Barbara Keeler, Stephen Bainter, Karen McCormick, Jane Watson

John- Notice the part about them thinking about using beneficial use material for the oil barrier they are proposing.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/24/2010 07:56 AM -----

From: Jane Watson/R6/USEPA/US
To: Dugan Sabins <Dugan.Sabins@LA.GOV>
Cc: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/21/2010 04:30 PM
Subject: Re: Beneficial Use Project/Proposal

Jane B. Watson, Ph.D.
Associate Director
Water Quality Protection Division
EPA Region 6

214 665 6653

Thanks, Dugan. I think the CEQ Roadmap effort is moving into the area of beneficial use, there is a workgroup dedicated to sediment management staffed by Brenn Haas of OCPR. This may subsume the CC work on this issue.

Beneficial Use Project/Proposal

Dugan Sabins

to: Jane Watson, Kenneth Teague

05/20/2010 03:11 PM

Cc:

Stephen Bainter

Since you all were on the Hypoxia CC call this afternoon, it reminded me to catch up with you on the progress with the beneficial use work. Rick Raynie and Jim Paul with the OCPR have shown me some work being done on the federal standard as it relates to beneficial use and it looks like they are making some progress there. LDNR is also involved with it from their CZM responsibility. However, as you can imagine, the oil spill response has caused some realignment and now it looks like the Governor's Office wants to see about using some of the dredged sediment for protecting the barrier islands from oil impact. Rick says that it would involve some of the same dredged material that we were considering for the marsh restoration work in our proposal. Obviously we will have to let all this play out and then get back together to see where we stand going forward. The Governor is trying to expedite the permit process with the Corps to do the emergency dredging and you are probably following this also.

I had heard of the Whiskey and Raccoon Island oil impacts and we have also had word of some on Fourchon beach but in small patches and sheens. The Wildlife and Fisheries has been active in closing some of these areas to commercial and recreational activity but then has reconsidered in some areas where there was not enough oil impact and allow some oysters and shrimp to be harvested before they may be really impacted and to not completely close down the recreational and commercial fishing industry. Many fishing guides are out and catching good numbers of trout, redfish and offshore they are catching some yellowfin tuna. There is also a lot of brown shrimp showing up in the marshes and backside of the barrier islands and bait dealers have a good supply so they want people to come fishing. In fact a group of our fly fishers will be going down to Golden Meadow/Grand Isle this weekend so I will see it all first hand. So the WLF is trying to take all this into account when issuing their fishing closures for Louisiana waters.

Dugan

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr David Reazin/R6/USEPA/US
o

m:

To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA,
Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, Renee
Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 05/24/2010 01:56 PM
te:

Su Region 6 WQ Situation Update #17 (5-24-2010)
bje
ct:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Brad Miller <Brad.Miller@LA.GOV>

To: Jerome Zeringue <Jerome.Zeringue@LA.GOV>, Chris Williams <Chris.Williams@LA.GOV>, Steve Mathies <Steve.Mathies@LA.GOV>, "Clifton Bingham (Gov's Office)"
<binghamc@GOV.STATE.LA.US>

Cc: Shane Faust <Shane.Faust@LA.GOV>, Brad Crawford/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Clayton Breland <Clayton.Breland@LA.GOV>, 'Dr Mark
Hester' <mhester@louisiana.edu>

Date: 05/24/2010 02:59 PM

Subje RE: Oil Spill

ct:

Zee,

Ideally we would like to have our contractor Erosion Control Services and Mark Hester at ULL out on Whiskey Island for a week around mid June. Erosion Control Services is under contract to finish the planting for the Whiskey Island Back Barrier Project and Mark Hester is working on a separate CWPPRA Demonstration Project, The Enhancement of Barrier Island Vegetation Demo. It is essential for Dr. Hester's research that he get his sample plots established in the next few weeks and then visit the island once in July and once this fall to monitor the project. Most of his plants will be in an area of the island where we do not feel that oil would reach or impact his plots. Dr. Hester also has sample plots planned for Trinity Island however folks from his lab were told this morning that Trinity Island was about to be boomed and the island would be inaccessible. Ideally we would like to have Dr. Hester have access to Trinity as well, but that may not be possible as resources are becoming limited (work boats and 4 wheeler rentals). Dr. Hester could wait until the fall to put his plots on Trinity, but since the work is only partially complete on Whiskey it is essential that the planter and Dr. Hester be allowed to finish the work that they have started.

I have cc'd the people involved in the projects and we will work on getting you details on exactly when and how many people will need access.

Thank you,

Brad Miller

Project Manager

Office of Coastal Protection and Restoration

Ph: (225) 342-4122

Fax (225) 342-9417

From: Jerome Zeringue

Sent: Monday, May 24, 2010 2:39 PM

To: Chris Williams; Steve Mathies; Clifton Bingham (Gov's Office)

Cc: Brad Miller

Subject: RE: Oil Spill

Chris,

We can get them access however I need to know for who and for how long. I can get them the credentials they to get on the island but we need to make sure we consolidate the trips if we can and limit it to essential personnel. Let me know what you need and I will work on getting it approved.

Jerome Zeringue

Deputy Director

450 Laurel Street, Baton Rouge, LA 70801

1.225.342.3969(Phone)

1.225.242.3473 (Fax)

jzee@la.gov (Email)

From: Chris Williams

Sent: Monday, May 24, 2010 2:25 PM

To: Jerome Zeringue; Steve Mathies; Clifton Bingham (Gov's Office)

Cc: Brad Miller

Subject: Oil Spill

Guys, last week we asked about the Caminada project at that time the general direction was give that our contractors avoid the area impacted with oil.

We have several projects which are in various stages and the questions are continuing.

We are having access issues on Whiskey Island and on Trinity Island. In my view if we shut the project down due to the oil spill that order should come from the ICS. If the order came from the OCPR without coast Guard approval could the OCPR be responsible?

Who should we call and who has the ultimate authority on getting out to these islands. The EPA (CWPPRA Group) has requested a name and phone number of the person responsible?

Please advise.

Thanks,

Thanks,
CW

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Jerome Zeringue <Jerome.Zeringue@LA.GOV>
To: Brad Miller <Brad.Miller@LA.GOV>, Chris Williams <Chris.Williams@LA.GOV>, Steve Mathies <Steve.Mathies@LA.GOV>, "Clifton Bingham (Gov's Office)" <binghamc@GOV.STATE.LA.US>
Cc: Shane Faust <Shane.Faust@LA.GOV>, Brad Crawford/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Clayton Breland <Clayton.Breland@LA.GOV>, 'Dr Mark Hester' <mhester@louisiana.edu>
Date: 05/24/2010 03:07 PM
Subje RE: Oil Spill
ct:

Brad please put that info together and we will try to make that happen. Also get from Mark what he would need for Trinity as well because there may be a way to get them access into the boomed area if there is not oil or minimal chance of contamination.

Jerome Zeringue

Deputy Director

450 Laurel Street, Baton Rouge, LA 70801
1.225.342.3969 (Phone)
1.225.242.3473 (Fax)
jzee@la.gov (Email)

From: Brad Miller

Sent: Monday, May 24, 2010 2:59 PM

To: Jerome Zeringue; Chris Williams; Steve Mathies; Clifton Bingham (Gov's Office)
Cc: Shane Faust; 'Crawford.Brad@epamail.epa.gov'; 'Teague.Kenneth@epamail.epa.gov'; Clayton Breland; 'Dr Mark Hester'
Subject: RE: Oil Spill

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Fax (225) 342-9417
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To: Chris Williams; Steve Mathies; Clifton Bingham (Gov's Office)
Cc: Brad Miller
Subject: RE: Oil Spill

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From: Brad Miller <Brad.Miller@LA.GOV>
To: 'Dr Mark Hester' <mhester@louisiana.edu>, "jwillis@louisiana.edu" <jwillis@louisiana.edu>
Cc: Shane Faust <Shane.Faust@LA.GOV>, Kenneth Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA
Date: 05/24/2010 03:16 PM
Subject: FW: Oil Spill

Mark and Jonathan,

Could you please provide a synopsis of what would be required to complete the plantings on both Whiskey and Trinity? I know Trinity is a long shot but it may be worth a try to fit it in if Stanley has the resources to help. I think Jerome needs estimates of time frames and the amount of people involved. Please call should you have any questions.

Thank you,

Brad Miller
Project Manager
Office of Coastal Protection and Restoration
Ph: (225) 342-4122
Fax (225) 342-9417
From: Jerome Zeringue
Sent: Monday, May 24, 2010 3:08 PM
To: Brad Miller; Chris Williams; Steve Mathies; Clifton Bingham (Gov's Office)
Cc: Shane Faust; 'Crawford.Brad@epamail.epa.gov'; 'Teague.Kenneth@epamail.epa.gov'; Clayton Breland; 'Dr Mark Hester'
Subject: RE: Oil Spill

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jzee@la.gov (Email)

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To David Reazin/R6/USEPA/US@EPA
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Da 05/24/2010 04:16 PM
te:

Su Re: Region 6 WQ Situation Update #17 (5-24-2010)
bje
ct:

Would be nice if the FWS map would include the boundaries of the BTNEP.

Miguel

MIGUEL I. FLORES
Director, Water Quality Protection Division
U.S EPA, Region 6 (6WQ)
1445 Ross Avenue
Dallas, TX 75202-2733
214-665-7101 -- 214-665-7373 (FAX) -- 214-789-1818 (Cell)

Fr David Reazin/R6/USEPA/US
o
m:

To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
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Da 05/24/2010 01:56 PM
te:

Su Region 6 WQ Situation Update #17 (5-24-2010)
bje
ct:

[attachment "WQ Situation Update #17 (5-24-2010).doc" deleted by Miguel Flores/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Karen McCormick/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Miguel Flores" <Flores.Miguel@epamail.epa.gov>
Date: 05/24/2010 04:54 PM
Subject: Re: Region 6 WQ Situation Update #17 (5-24-2010)

Excellent thanks Ken

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Kenneth Teague
Sent: 05/24/2010 04:48 PM CDT
To: Karen McCormick; Jane Watson
Subject: Fw: Region 6 WQ Situation Update #17 (5-24-2010)

I just spoke with Darryl Clark at FWS about this. He said he would ask if they could add the BTNEP boundary.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/24/2010 04:47 PM -----

From: Miguel Flores/R6/USEPA/US
To:
Subject:

To David Reazin/R6/USEPA/US@EPA

:

Cc Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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Date: 05/24/2010 01:56 PM
Subject:

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From: bje
To: ct:

[attachment "WQ Situation Update #17 (5-24-2010).doc" deleted by Miguel Flores/R6/USEPA/US]

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From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/25/2010 08:27 AM
Subject: To Hell with science, move sand now!

Folks-
Here's my latest post on the fantasy concept building a sand wall to block BP oil.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 05/25/2010 09:00 AM
Subject: Fw: To Hell with science, move sand now!

I'm assuming you have been watching Len's posts on the sand barrier issue. This latest one seems to be the most informative. Note that in the several news articles that several scientists are sceptical, including Greg Stone, Denise Reed, Abby Sallenger, and Dallan Weathers. I realize that this issue may not just be about science at this point, but I'm glad somebody consulted some very important independent, local scientific experts on this question, as I recommended we do.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/25/2010 08:53 AM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/25/2010 08:27 AM
Subject: To Hell with science, move sand now!

Folks-

Here's my latest post on the fantasy concept building a sand wall to block BP oil.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Craig Hesterlee/R4/USEPA/US@EPA, jwillis@louisiana.edu
Date: 05/25/2010 09:43 AM
Subject: Contact info for Personnel who were told no access to Whiskey Island, New Cut

Mark/Jonathon- My boss might be able to speak to somebody about access. She is very involved in the oil spill response effort. She is asking for the name and number of whoever said you could not access the islands. So, if you could either send me that person's name and number, or give me a point of contact on your team who is closest to that actual discussion, I would appreciate it. If we can figure out who said it, Karen (my boss) will probably call them and confirm whether or not they have the authority to do so, etc.

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FAX: 214-665-6689

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From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/25/2010 10:05 AM
Subject: oil spill- nitrogen paper

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Gaynelle Redd/R6/USEPA/US

To:

Date: 05/25/2010 10:30 AM

Subject: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

6WQ Staff, It is **MANDATORY** you certify that you have received and read the "Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill". Employees were expected to certify immediately upon receipt of this memo, March 13, 2010. I sent a reminder on March 17, 2010 for those of you who may have been on leave or travel. It's important for the remaining employees on the attached list to read and respond as directed below as quickly as possible. If you are on the list and are unable to complete this by the end of the week, please let me know. I will need to pass that information on to Darrin Swartz-Larson. Thanks, Gaynelle

--- Forwarded by Gaynelle Redd/R6/USEPA/US on 05/25/2010 10:15 AM -----

ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Gaynelle
Redd

Adele Cardenas, Gaynelle Redd, Miguel Flores, Paula Flores, Sherry Lawrence, Suea Davis, Van Kozak, William Honker, Barbara Schrodt, Lashunda Brown, Troy Hill, Gilbert Tellez, Jose Rodriguez, Salvador Gandara, Adrian Cortez, AshleyA Howard, Dianne Sales, Gene Wossum, Henry Liao, Javier Balli, Margaret Osbourne, Maurice Rawls, Michael Vaughan, Miriam Fisher-Hadley, Nasim Jahan, Ruben Camacho, Susanne Mann, Tyrone Hoskins, Velma Smith, Anthony Suttice, Arlene Gaines, Betty Ashley, Doris White, Freda Hardaway, George Craft, Henry Brewer, Kara Alexander, Kimberly Esters, Leslie Rauscher, Marya Stanton, Melissa Galyon, Nikole Witt, Sharon Daugherty, Sondra McDonald, Sylvia Ritzky, Teresita Mendiola, Virginia Vietti, Randall Romig, William Honker, Jane Watson, Maria Moreno, Charlie Howell, Forrest John, Jessica Franks, Laura Hunt, Mark Stead, Mike Schaub, Paul Koska, Barbara Keeler, Brad Crawford, Chris Llewellyn, Doug Jacobson, John Ettinger, Karen McCormick, Kenneth Teague, Minerva Rojo, Patricia-A Taylor, Paul Kaspar, Stephen Bainter, Barbara Aldridge, Donna Mullins, Jeanene Peckham, Jenelle Hill, Jim Herrington, Raul Gutierrez, ^t Richard Prather, Sharon Parrish, Tamara Mick, Tami Sundquist, Thomas Nystrom, Beverly Ethridge, ^o Bobby Hernandez, Brad Lamb, Carolyn Hill, Diane Evans, Emily Brokaw, Matt Hubner, Mike Bira, [:] Philip Crocker, Randall Rush, Renee Bellew, Russell Nelson, Tina Hendon, Dora Rodriguez, Jamesr Brown, Olivia-R Balandran, David Reazin, Debbie Reynolds, Debora Browning, Karen Bick, Terry Branch, Timothy Herfel, Angel Kosfiszer, Donald French, John Stadelman, Merylen Haynes, Patricia-A Taylor, Robert Kirkland, Diane Smith, Dorothy Brown, Evelyn Rosborough, Jenaie Franke, LaGayla Bradley, Stephanie Abbott, Claudia Hosch, Teresa Clark, Joshua Waldmeier, Kay Schwab, Kilty Baskin, Michael Tillman, Monica Burrell, Paul Kaspar, Phillip Jennings, Richard Wooster, Rudy Molina, Syed Shahriyar, Brent Larsen, Denise Hamilton, Isaac Chen, Js Wilson, Larry Giglio, Maria Okpala, Nelly Smith, Paul Juarez, Rudy Molina, Scott Stine, Suzanna Perea, Syed Shahriyar, Curry Jones, Philip Hutchison, Quang Nguyen, Brian Mueller, LindaK Adams, Sala Senkayi, Natalie Berry, Amy Camacho, Andrea Abshire, Andrew Waite, Arnold Bierschenk, Blake Atkins, Damon McElroy, Dawn Ison, Julie Hankinson, Ken Williams, Kim Ngo, Mark McCasland, Nancy Ho, Shirley Mlachak, Williamh Davis, Nichole Foster, Vanessa Kelly, Jatin Mistry, Angela Restivo, Brian Graves, Jose Torres, Ken-E Johnson, Lisa Pham, Michael Bechdol, Michael Overbay, Mike Frazier, Minnie Howard, Nancy Dorsey, Omar Martinez, Philip Dellinger, Ray Leissner, Robert Todd, Susie McKenzie, William Hurlbut

05/17/2010 04:14
PM

Cc: Alice Johnson, Mary LaBorn, Edgar Jeffrey, Dina Granado

6WQ Employees, in case you inadvertently deleted the following All Employee Memo regarding instructions for

Gulf Oil Spill Document Preservation/Litigation Hold, please note that you must read this memo in its entirety. **You are required to certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.** Thanks in advance for your continued cooperation.

Gaynelle Redd
Program Analyst
Water Quality Protection Division (6WQ)
214.665.6504

This is being sent as R6 All Employee Memo - Please do not reply to this mass mailing
This memo and all Region 6 "All Employee Memos" may be viewed on the Region 6 Intranet

NO HARD COPY TO FOLLOW

Thursday, May 13, 2010

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

Please read this memo in its entirety. We require that you certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.

The recent BP Oil Spill in the Gulf of Mexico is already generating lawsuits, and further litigation can be reasonably expected. As you may know, federal courts may impose sanctions on agencies for failure to preserve information required to be produced in litigation. Accordingly, we are sending this message to explain some of the steps that need to be taken to meet our legal obligation to preserve potentially relevant spill "information" (*i.e.*, not only documents, but also tangible things such as equipment and lab samples).

We are of course already subject to records retention obligations under the Federal Records Act, and faithful adherence to our record retention responsibilities remains critical in this context. That said, it is important to recognize that not all of the information that may be relevant to litigation is captured by what we consider "records" under our various record retention schedules. Additionally, while such schedules frequently allow for destruction of Agency records after a certain retention period, courts have regarded such destruction as inconsistent with evidence preservation responsibilities.

Consequently, we need to augment our record retention practices with special procedures in circumstances such as these. Indeed, the Department of Justice has requested all agencies engaged in the response to the BP Oil Spill to institute evidence preservation procedures as described below.

EPA Headquarters has established a national Gulf Oil Spill Information Preservation Working Group that will coordinate efforts to efficiently manage the preservation of potentially relevant information. The group is being led by Gary Jonesi of OGC. In Region 6, our lead contacts on this information preservation effort are Darrin Swartz-Larson and Verne McFarland, who will serve as liaisons to the national Working Group.

We will follow up with further instructions concerning how best to meet our preservation obligations. **In the interim, until you are notified otherwise, it is critical that you not destroy potentially relevant information pertaining to the fires and explosion that occurred at the Deepwater Horizon facility located about 60 miles from the Louisiana shore on or about April 20, 2010, the discharges of oil resulting from the explosion and fire, and any resulting response, damages, costs, or effects.**

The Duty to Preserve Potentially Relevant Information

It is incumbent on each of you to take appropriate steps to preserve any of the informational items described below that are in your possession, custody, or control (this could include contractors working under your supervision). You must preserve this information

even if it otherwise could be destroyed, deleted or overwritten in the normal course of Agency operations. If information that is subject to a litigation hold is destroyed, a court in some circumstances may impose sanctions, exclude evidence, and/or dismiss a claim.

What Must Be Preserved

The information that must be preserved includes any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, and discharges of oil, responses to the fire, explosion, and discharges of oil, or the effects of the explosion, fire, or discharges. Examples of such information might include, but are not limited to, equipment or materials salvaged during response actions, samples, and other physical things. Such information also includes documents such as inspection materials for the various facilities, including field notes and supporting documentation, analytical data for samples, internal communications regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

What You Need to Do

You must take the following steps with respect to the above-described materials. Please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115 if you need any assistance or have any questions.

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant ESI as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the "metadata" (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact Darrin Swartz-Larson and he will refer you to the appropriate information technology (IT) staff to explain it to you and assist you with specific problems you may face. You should expeditiously identify for Darrin Swartz-Larson any critical databases that may contain relevant information and which may be updated and cause the information to be lost, to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.

3. Take steps to prevent the destruction of any potentially relevant information that has been transferred to a Federal Records Center or any other location.

4. Do not transfer any potentially relevant information to a Federal Records Center or any other location unless you have discussed it with Darrin Swartz-Larson and he has agreed that the information will be adequately preserved after being transferred and is not needed in its present location for purposes of this matter.

5. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer or hard drive containing relevant information is retired or reimaged, whether because of a departing employee or otherwise, please contact Darrin Swartz-Larson to ensure that the agency retains access to potentially relevant information after the retirement or upgrade.

6. Contact Darrin Swartz-Larson if there are any staffing changes in your office that may affect compliance with these instructions, such as the retirement or departure of people who have done work related to this matter or new or additional people doing work relating to this matter.

7. Treat non-identical copies of documents (word processing files, spreadsheets, etc.) as if they were unique and save, at a minimum, the latest version and all versions that were shared with others. Call Darrin Swartz-Larson to assist you in determining which other intermediate drafts, if any, to save.

8. If potentially relevant ESI has not been preserved, then immediately contact Darrin Swartz-Larson. Under some circumstances, IT staff may be able to recover information.

9. To the maximum extent possible, maintain information subject to the litigation hold in an orderly, readily retrievable manner. This will greatly facilitate later production of the information, as required.

- Set up electronic and hard copy folders to preserve relevant information that you generate, including electronic communication, and establish separate files for confidential and public information.

- Copy email that you create related to this matter to R6_DWH_Info@epa.gov, and forward email you receive related to this matter to this email box if it has not been copied to it. Please see the R6 Advisory, Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions, issued on May 7, 2010, for more information.

10. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact Darrin Swartz-Larson.

11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

12. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions.

13. If at all possible, do not send e-mails or other communications concerning this matter from personal e-mail accounts or do work on this matter on home computers, personal PDAs, or other non-EPA electronic devices. Please be advised that using personal e-mail accounts or personal electronic equipment may subject such items to a required search in litigation.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by clicking here .

If you have any questions regarding these instructions, please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: "CERF Member Services" <membership@erf.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 10:40 AM
Subject: Help CERF help the Gulf of Mexico

Dear Members,

CERF is engaged in bringing our expertise to bear on the Gulf of Mexico oil spill and bringing assistance to our affected members. Please respond to the requests below.

To volunteer in the region, use the volunteer tab on the web page for the US Unified Command for the spill, which provides the most comprehensive information: <http://www.deepwaterhorizonresponse.com/go/site/2931/>

Share your knowledge: <http://www.surveymonkey.com/s/RYQCQSK>

CERF members can provide help if you, our members, will share your time, knowledge and experience. CERF is creating a list of people who can offer relevant expertise and will post it on the CERF web site.

In addition if you are willing to serve as an information resource to others who are looking for answers and/or to the press, please provide your contact information and areas of major relevant expertise.

Share your needs: <http://www.surveymonkey.com/s/RS7RLHQ>

CERF members in the Gulf of Mexico region, what equipment, supplies or people to help do you need?

CERF will use the membership network to support you.

The incident will not be over soon and CERF will continue to develop mechanisms to best deploy our expertise. Joy Bartholomew is

CERF's contact for any ideas or needs you have beyond the surveys above. The CERF Policy Committee, Governing Board members, and past and current officers are working on this endeavor.

Thank you for your time and ideas. Thank you to the members who have been providing expertise and responding to the media.

Sincerely,

Susan L. Williams
President 2009-2011
slwilliams@ucdavis.edu

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Gaynelle Redd/R6/USEPA/US
To:
Date: 05/25/2010 10:59 AM
Subject: Re: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Corrections to dates below..should have been **May** 13, 2010 and **May** 17, 2010 not **March**! Also, I have had a couple of people tell me that they have already done this. If you have, just send me your name and I will forward it on to Darrin. Thanks, Gaynelle

Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Gaynelle Redd

to:

05/25/2010 10:30 AM

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[attachment "6WQ not completed.xls" deleted by Gaynelle Redd/R6/USEPA/US]

--- Forwarded by Gaynelle Redd/R6/USEPA/US on 05/25/2010 10:15 AM -----

ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

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Gaynelle
Redd

05/17/2010 04:14
PM

Stephanie Abbott, Claudia Hosch, Teresa Clark, Joshua Waldmeier, Kay Schwab, Kilty Baskin, Michael Tillman, Monica Burrell, Paul Kaspar, Phillip Jennings, Richard Wooster, Rudy Molina, Syed Shahriyar, Brent Larsen, Denise Hamilton, Isaac Chen, Js Wilson, Larry Giglio, Maria Okpala, Nelly Smith, Paul Juarez, Rudy Molina, Scott Stine, Suzanna Perea, Syed Shahriyar, Curry Jones, Philip Hutchison, Quang Nguyen, Brian Mueller, LindaK Adams, Sala Senkayi, Natalie Berry, Amy Camacho, Andrea Abshire, Andrew Waite, Arnold Bierschenk, Blake Atkins, Damon McElroy, Dawn Ison, Julie Hankinson, Ken Williams, Kim Ngo, Mark McCasland, Nancy Ho, Shirley Mlachak, Williamh Davis, Nichole Foster, Vanessa Kelly, Jatin Mistry, Angela Restivo, Brian Graves, Jose Torres, Ken-E Johnson, Lisa Pham, Michael Bechdol, Michael Overbay, Mike Frazier, Minnie Howard, Nancy Dorsey, Omar Martinez, Philip Dellinger, Ray Leissner, Robert Todd, Susie McKenzie, William Hurlbut

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Gaynelle Redd
Program Analyst
Water Quality Protection Division (6WQ)
214.665.6504

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NO HARD COPY TO FOLLOW

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Thursday, May 13, 2010

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

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We will follow up with further instructions concerning how best to meet our preservation obligations. **In the interim, until you are notified otherwise, it is critical that you not destroy potentially relevant information pertaining to the fires and explosion that occurred at the Deepwater Horizon facility located about 60 miles from the Louisiana shore on or about April 20, 2010, the discharges of oil resulting from the explosion and fire, and any resulting response, damages, costs, or effects.**

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regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

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10. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact Darrin Swartz-Larson.

11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

12. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions.

13. If at all possible, do not send e-mails or other communications concerning this matter from personal e-mail accounts or do work on this matter on home computers, personal PDAs, or other non-EPA electronic devices. Please be advised that using personal e-mail accounts or personal electronic equipment may subject such items to a required search in litigation.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by clicking here .

If you have any questions regarding these instructions, please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

Fr Kenneth Teague/R6/USEPA/US
o

m:

To Karen McCormick/R6/USEPA/US@EPA

:

Cc Dr Mark Hester <mhester@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com/OU=, "Willis Jonathan M" <jmw1058@louisiana.edu/OU=, Brad Miller

: <Brad.Miller@LA.GOV/O=, Brad Crawford/R6/USEPA/US,/,

Da 05/25/2010 11:05 AM

te:

Su Enhancement of Barrier Island Vegetation Demonstration (TE-53)- Access to Whiskey Island
bje
ct:

Karen- As we discussed, the oil spill has apparently affected Dr. Hester's lab's access to Whiskey Island, which is making it impossible for them to complete their plantings and amendments for the experiments on Whiskey Island, which are an important part of the TE-53 CWPPRA Demo project. Some of the plantings there are completed, but many apparently are not.

Apparently, Christine Pickens of Dr. Hester's lab spoke with "Randy" and "Rodg" (no last names given) at Coco Marina. They apparently have some responsibility for oil spill response at Cocodrie. It is not clear, but somebody seemed to think they were BP personnnel. They gave their supervisor as Artie Meyers (409-771-1070).

It is not clear from the email I have, but based on discussions, it does seem that these gentlemen must have told Christine Pickens that Whiskey Island was not accessible to Dr. Hester's lab to complete their planting.

Christine's number is 225-931-2073.

From discussions with Dr. Hester, it would be very helpful to them if we could gain them access to Whiskey Island to complete their plantings. However, please note that in addition to the access issue, they also need OCPR's planting contractor to agree to complete his plantings on Whiskey at the same time. I will pursue that with OCPR (Brad Miller). My point here is just that I want you to realize that if you are able to gain Dr. Hester access to the island, there is still this other problem we will have to resolve.

Dr. Hester has suggested that if possible he would like access to Whiskey Island around June 12-14 for 1 week. He would also need access in late July and again in October to monitor the plantings. I assume that each of these would be 1-2 day events. I am guessing that if access in July and October are uncertain, there would still be value in gaining access for 1 week in the middle of June for them to finish the plantings.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202

phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Gaynelle Redd/R6/USEPA/US@EPA
Date: 05/25/2010 11:05 AM
Subject: Re: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

I did this before.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Gaynelle Redd/R6/USEPA/US
To:
Date: 05/25/2010 10:30 AM
Subject: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

6WQ Staff, It is **MANDATORY** you certify that you have received and read the "Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill". Employees were expected to certify immediately upon receipt of this

memo, March 13, 2010. I sent a reminder on March 17, 2010 for those of you who may have been on leave or travel. It's important for the remaining employees on the attached list to read and respond as directed below as quickly as possible. If you are on the list and are unable to complete this by the end of the week, please let me know. I will need to pass that information on to Darrin Swartz-Larson. Thanks, Gaynelle

[attachment "6WQ not completed.xls" deleted by Kenneth Teague/R6/USEPA/US]

--- Forwarded by Gaynelle Redd/R6/USEPA/US on 05/25/2010 10:15 AM ----

ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Adele Cardenas, Gaynelle Redd, Miguel Flores, Paula Flores, Sherry Lawrence, Suea Davis, Van Kozak, William Honker, Barbara Schrodtt, Lashunda Brown, Troy Hill, Gilbert Tellez, Jose Rodriguez, Salvador Gandara, Adrian Cortez, AshleyA Howard, Dianne Sales, Gene Wossum, Henry Liao, Javier Balli, Margaret Osbourne, Maurice Rawls, Michael Vaughan, Miriam Fisher-Hadley, Nasim Jahan, Ruben Camacho, Susanne Mann, Tyrone Hoskins, Velma Smith, Anthony Suttice, Arlene Gaines, Betty Ashley, Doris White, Freda Hardaway, George Craft, Henry Brewer, Kara Alexander, Kimberly Esters, Leslie Rauscher, Marya Stanton, Melissa Galyon, Nikole Witt, Sharon Daugherty, Sondra McDonald, Sylvia Ritzky, Teresita Mendiola, Virginia Vietti, Randall Romig, William Honker, Jane Watson, Maria Moreno, Charlie Howell, Forrest John, Jessica Franks, Laura Hunt, Mark Stead, Mike Schaub, Paul Koska, Barbara Keeler, Brad Crawford, Chris Llewellyn, Doug Jacobson, John Ettinger, Karen McCormick, Kenneth Teague, Minerva Rojo, Patricia-A Taylor, Paul Kaspar, Stephen Bainter, Barbara Aldridge, Donna Mullins, Jeanene Peckham, Jenelle Hill, Jim Herrington, Raul Gutierrez, Richard Prather, Sharon Parrish, Tamara Mick, Tami Sundquist, Thomas Nystrom, Beverly Ethridge, Bobby Hernandez, Brad Lamb, Carolyn Hill, Diane Evans, Emily Brokaw, Matt Hubner, Mike Bira, Philip Crocker, Randall Rush, Renee Bellew, Russell Nelson, Tina Hendon, Dora Rodriguez, Jamesr Brown, Olivia-R Balandran, David Reazin, Debbie Reynolds, Debora Browning, Karen Bick, Terry Branch, Timothy Herfel, Angel Kosfischer, Donald French, John Stadelman, Merylen Haynes, Patricia-A Taylor, Robert Kirkland, Diane Smith, Dorothy Brown, Evelyn Rosborough, Jenaie Franke, LaGayla Bradley, Stephanie Abbott, Claudia Hosch, Teresa Clark, Joshua Waldmeier, Kay Schwab, Kilty Baskin, Michael Tillman, Monica Burrell, Paul Kaspar, Phillip Jennings, Richard Wooster, Rudy Molina, Syed Shahriyar, Brent Larsen, Denise Hamilton, Isaac Chen, Js Wilson, Larry Giglio, Maria Okpala, Nelly Smith, Paul Juarez, Rudy Molina, Scott Stine, Suzanna Perea, Syed Shahriyar, Curry Jones, Philip Hutchison, Quang Nguyen, Brian Mueller, LindaK Adams, Sala Senkayi, Natalie Berry, Amy Camacho, Andrea Abshire, Andrew Waite, Arnold Bierschenk, Blake Atkins, Damon McElroy, Dawn Ison, Julie Hankinson, Ken Williams, Kim Ngo, Mark McCasland, Nancy Ho, Shirley Mlachak, Williamh Davis, Nichole Foster, Vanessa Kelly, Jatin Mistry, Angela Restivo, Brian Graves, Jose Torres, Ken-E Johnson, Lisa Pham, Michael Bechdol, Michael Overbay, Mike Frazier, Minnie Howard, Nancy Dorsey, Omar Martinez, Philip

Gaynelle
Redd

05/17/2010 04:14
PM

Dellinger, Ray Leissner, Robert Todd, Susie McKenzie, William Hurlbut

Cc: Alice Johnson, Mary LaBorn, Edgar Jeffrey, Dina Granado

6WQ Employees, in case you inadvertently deleted the following All Employee Memo regarding instructions for Gulf Oil Spill Document Preservation/Litigation Hold, please note that you must read this memo in its entirety. **You are required to certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.** Thanks in advance for your continued cooperation.

Gaynelle Redd
Program Analyst
Water Quality Protection Division (6WQ)
214.665.6504

This is being sent as R6 All Employee Memo - Please do not reply to this mass mailing
This memo and all Region 6 "All Employee Memos" may be viewed on the Region 6 Intranet

NO HARD COPY TO FOLLOW

Thursday, May 13, 2010

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

Please read this memo in its entirety. We require that you certify that you have received, read, and understand these instructions. Please follow the instructions at the end of this memo to provide your certification.

The recent BP Oil Spill in the Gulf of Mexico is already generating lawsuits, and further litigation can be reasonably expected. As you may know, federal courts may impose sanctions on agencies for failure to preserve information required to be produced in litigation. Accordingly, we are sending this message to explain some of the steps that need to be taken to meet our legal obligation to preserve potentially relevant spill "information" (*i.e.*, not only documents, but also tangible things such as equipment and lab samples).

We are of course already subject to records retention obligations under the Federal Records Act, and faithful adherence to our record retention responsibilities remains critical in this context. That said, it is important to recognize that not all of the information that may be relevant to litigation is captured by what we consider "records" under our various record retention schedules. Additionally, while such schedules frequently allow for destruction of Agency records after a certain retention period, courts have regarded such destruction as inconsistent with evidence preservation responsibilities.

Consequently, we need to augment our record retention practices with special procedures in circumstances such as these. Indeed, the Department of Justice has requested all agencies engaged in the response to the BP Oil Spill to institute evidence preservation procedures as described below.

EPA Headquarters has established a national Gulf Oil Spill Information Preservation Working Group that will coordinate efforts to efficiently manage the preservation of potentially relevant information. The group is being led by Gary Jonesi of OGC. In Region 6, our lead contacts on this information preservation effort are Darrin Swartz-Larson and Verne McFarland, who will serve as liaisons to the national Working Group.

We will follow up with further instructions concerning how best to meet our preservation obligations. **In the interim, until you are notified otherwise, it is critical that you not destroy potentially relevant information pertaining to the fires and explosion that occurred at the Deepwater Horizon facility located about 60 miles from the Louisiana shore on or about April 20, 2010, the discharges of oil resulting from the explosion and fire, and any resulting response, damages, costs, or effects.**

The Duty to Preserve Potentially Relevant Information

It is incumbent on each of you to take appropriate steps to preserve any of the informational items described below that are in your possession, custody, or control (this could include contractors working under your supervision). You must preserve this information even if it otherwise could be destroyed, deleted or overwritten in the normal course of Agency operations. If information that is subject to a litigation hold is destroyed, a court in some circumstances may impose sanctions, exclude evidence, and/or dismiss a claim.

What Must Be Preserved

The information that must be preserved includes any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, and discharges of oil, responses to the fire, explosion, and discharges of oil, or the effects of the explosion, fire, or discharges. Examples of such information might include, but are not limited to, equipment or materials salvaged during response actions, samples, and other physical things. Such information also includes documents such as inspection materials for the various facilities, including field notes and supporting documentation, analytical data for samples, internal communications regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

What You Need to Do

You must take the following steps with respect to the above-described materials. Please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115 if you need any assistance or have any questions.

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant ESI as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the "metadata" (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact Darrin Swartz-Larson and he will refer you to the appropriate information technology (IT) staff to explain it to you and assist you with specific problems you may face. You should expeditiously identify for Darrin Swartz-Larson any critical databases that may contain relevant information and which may be updated and cause the information to be lost, to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.
3. Take steps to prevent the destruction of any potentially relevant information that has been transferred to a Federal Records Center or any other location.
4. Do not transfer any potentially relevant information to a Federal Records Center or any other location unless you have discussed it with Darrin Swartz-Larson and he has agreed that the information will be adequately preserved after being transferred and is not needed in its present location for purposes of this matter.
5. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer or hard drive containing relevant information is retired or reimaged, whether because of a departing employee or otherwise, please contact Darrin Swartz-Larson to ensure that the agency retains access to potentially relevant information after the retirement or upgrade.
6. Contact Darrin Swartz-Larson if there are any staffing changes in your office that may affect compliance with these instructions, such as the retirement or departure of people who have done work related to this matter or new or additional people doing work relating to this matter.
7. Treat non-identical copies of documents (word processing files, spreadsheets, etc.) as if they were unique and save, at a minimum, the latest version and all versions that were shared with others. Call Darrin Swartz-Larson to assist you in determining which other intermediate drafts, if any, to save.
8. If potentially relevant ESI has not been preserved, then immediately contact Darrin Swartz-Larson. Under some circumstances, IT staff may be able to recover information.

9. To the maximum extent possible, maintain information subject to the litigation hold in an orderly, readily retrievable manner. This will greatly facilitate later production of the information, as required.

- Set up electronic and hard copy folders to preserve relevant information that you generate, including electronic communication, and establish separate files for confidential and public information.

- Copy email that you create related to this matter to R6_DWH_Info@epa.gov, and forward email you receive related to this matter to this email box if it has not been copied to it. Please see the R6 Advisory, [Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions](#), issued on May 7, 2010, for more information.

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11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

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214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: christine.pickens@gmail.com
Date: 05/25/2010 11:07 AM
Subject: Fw: Enhancement of Barrier Island Vegetation Demonstration (TE-53)- Access to Whiskey Island

Sorry. You were copied on this but I had your email wrong and it didn't go through so here you go. Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/25/2010 11:06 AM -----

Fr Kenneth Teague/R6/USEPA/US
o
m:

To Karen McCormick/R6/USEPA/US@EPA
:
Cc Dr Mark Hester <mhester@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com/OU=, "Willis Jonathan M" <jmw1058@louisiana.edu/OU=, Brad Miller
: <Brad.Miller@LA.GOV/O=, Brad Crawford/R6/USEPA/US,/,
Da 05/25/2010 11:05 AM
te:

Su Enhancement of Barrier Island Vegetation Demonstration (TE-53)- Access to Whiskey Island
bje
ct:

Karen- As we discussed, the oil spill has apparently affected Dr. Hester's lab's access to Whiskey Island, which is making it impossible for them to complete their plantings and amendments for the experiments on Whiskey Island, which are an important part of the TE-53 CWPPRA Demo project. Some of the plantings there are completed, but many apparently are not.

Apparently, Christine Pickens of Dr. Hester's lab spoke with "Randy" and "Rodg" (no last names given) at Coco Marina. They apparently have some responsibility for oil spill response at Cocodrie. It is not clear, but somebody seemed to think they were BP personnnel. They gave their supervisor as Artie Meyers (409-771-1070).

It is not clear from the email I have, but based on discussions, it does seem that these gentlemen must have told Christine Pickens that Whiskey Island was not accessible to Dr. Hester's lab to complete their planting.

Christine's number is 225-931-2073.

From discussions with Dr. Hester, it would be very helpful to them if we could gain them access to Whiskey Island to complete their plantings. However, please note that in addition to the access issue, they also need OCPR's planting contractor to agree to complete his plantings on Whiskey at the same time. I will pursue that with OCPR (Brad Miller). My point here is just that I want you to realize that if you are able to gain Dr. Hester access to the island, there is still this other problem we will have to resolve.

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Marine and Coastal Section
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phone: 214-665-6687
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Gaynelle Redd/R6/USEPA/US@EPA
Date: 05/25/2010 11:07 AM
Subject: Re: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

I did this before.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Gaynelle Redd/R6/USEPA/US
To:

Date: 05/25/2010 10:59 AM

Subject: Re: Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Corrections to dates below..should have been **May** 13, 2010 and **May** 17, 2010 not **March**! Also, I have had a couple of people tell me that they have already done this. If you have, just send me your name and I will forward it on to Darrin. Thanks, Gaynelle

Mandatory/// ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Gaynelle Redd

to:

05/25/2010 10:30 AM

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--- Forwarded by Gaynelle Redd/R6/USEPA/US on 05/25/2010 10:15 AM ----

ACTION ITEM/ ALL EMPLOYEES MUST CERTIFY - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

Gaynelle
Redd

Adele Cardenas, Gaynelle Redd, Miguel Flores, Paula Flores, Sherry Lawrence, Suea Davis, Van Kozak, William Honker, Barbara Schrod, Lashunda Brown, Troy Hill, Gilbert Tellez, Jose Rodriguez, Salvador Gandara, Adrian Cortez, AshleyA Howard, Dianne Sales, Gene Wossum, Henry Liao, Javier Balli, Margaret Osbourne, Maurice Rawls, Michael Vaughan, Miriam Fisher-Hadley, Nasim Jahan, Ruben Camacho, Susanne Mann, Tyrone Hoskins, Velma Smith, Anthony Suttice, Arlene Gaines, Betty Ashley, Doris White, Freda Hardaway, George Craft, Henry Brewer, Kara Alexander, Kimberly Esters, Leslie Rauscher, Marya Stanton, Melissa Galyon, Nikole Witt, Sharon Daugherty, Sondra McDonald, Sylvia Ritzky, Teresita Mendiola, Virginia Vietti, Randall Romig, William Honker, Jane Watson, Maria Moreno, Charlie Howell, Forrest John, Jessica Franks, Laura Hunt, Mark Stead, Mike Schaub, Paul Koska, Barbara Keeler, Brad Crawford, Chris Llewellyn, Doug Jacobson, John Ettinger, Karen McCormick, Kenneth Teague, Minerva Rojo, Patricia-A Taylor, Paul Kaspar, Stephen Bainter, Barbara Aldridge, Donna Mullins, Jeanene Peckham, Jenelle Hill, Jim Herrington, Raul Gutierrez, Richard Prather, Sharon Parrish, Tamara Mick, Tami Sundquist, Thomas Nystrom, Beverly Ethridge, Bobby Hernandez, Brad Lamb, Carolyn Hill, Diane Evans, Emily Brokaw, Matt Hubner, Mike Bira, Philip Crocker, Randall Rush, Renee Bellew, Russell Nelson, Tina Hendon, Dora Rodriguez, James Brown, Olivia-R Balandran, David Reazin, Debbie Reynolds, Debora Browning, Karen Bick, Terry Branch, Timothy Herfel, Angel Kosfischer, Donald French, John Stadelman, Merylen Haynes, Patricia-A Taylor, Robert Kirkland, Diane Smith, Dorothy Brown, Evelyn Rosborough, Jenaie Franke, LaGayla Bradley, Stephanie Abbott, Claudia Hosch, Teresa Clark, Joshua Waldmeier, Kay Schwab, Kilty Baskin, Michael Tillman, Monica Burrell, Paul Kaspar, Phillip Jennings, Richard Wooster, Rudy Molina, Syed Shahriyar, Brent Larsen, Denise Hamilton, Isaac Chen, Js Wilson, Larry Giglio, Maria Okpala, Nelly Smith, Paul Juarez, Rudy Molina, Scott Stine, Suzanna Perea, Syed Shahriyar, Curry Jones, Philip Hutchison, Quang Nguyen, Brian Mueller, LindaK Adams, Sala Senkayi, Natalie Berry, Amy Camacho, Andrea Abshire, Andrew Waite, Arnold Bierschenk, Blake Atkins, Damon McElroy, Dawn Ison, Julie Hankinson, Ken Williams, Kim Ngo, Mark McCasland, Nancy Ho, Shirley Mlachak, Williamh Davis, Nichole Foster, Vanessa Kelly, Jatin Mistry, Angela Restivo, Brian Graves, Jose Torres, Ken-E Johnson, Lisa Pham, Michael Bechdol, Michael Overbay, Mike Frazier, Minnie Howard, Nancy Dorsey, Omar Martinez, Philip Dellinger, Ray Leissner, Robert Todd, Susie McKenzie, William Hurlbut

05/17/2010 04:14
PM

Cc: Alice Johnson, Mary LaBorn, Edgar Jeffrey, Dina Granado

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Gaynelle Redd
Program Analyst
Water Quality Protection Division (6WQ)
214.665.6504

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NO HARD COPY TO FOLLOW

Thursday, May 13, 2010

MEMORANDUM

Subject: Instructions to Preserve Potentially Relevant Information Concerning April 2010 Gulf of Mexico Oil Spill

From: Lynda F. Carroll
Assistant Regional Administrator for Management (6MD)

Ben J. Harrison
Deputy Regional Counsel (6RC)

To: All Region 6 EPA Employees

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The Duty to Preserve Potentially Relevant Information

It is incumbent on each of you to take appropriate steps to preserve any of the informational items described below that are in your possession, custody, or control (this could include contractors working under your supervision). You must preserve this information even if it otherwise could be destroyed, deleted or overwritten in the normal course of Agency operations. If information that is

subject to a litigation hold is destroyed, a court in some circumstances may impose sanctions, exclude evidence, and/or dismiss a claim.

What Must Be Preserved

The information that must be preserved includes any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, and discharges of oil, responses to the fire, explosion, and discharges of oil, or the effects of the explosion, fire, or discharges. Examples of such information might include, but are not limited to, equipment or materials salvaged during response actions, samples, and other physical things. Such information also includes documents such as inspection materials for the various facilities, including field notes and supporting documentation, analytical data for samples, internal communications regarding the explosion, fire, discharges, releases, responses, or investigations, and so on. Such information also includes electronically stored information ("ESI") in its native format, hard copies of documents, and tangible things. ESI includes, but is not limited to, computer files of any type, including word processing documents, e-mail messages, spreadsheets, calendar entries, digital photographs or other digital images, floppy discs, CDs, DVDs, and flash memory media, including USB drives and memory cards for cameras and cell phones. It can include information stored on PDAs such as Palm Pilots and Blackberries, and mobile phones. Examples of tangible things may include equipment salvaged from the facility, laboratory samples, specimens and photographs. All information, including privileged, protected, and confidential information, must be preserved.

What You Need to Do

You must take the following steps with respect to the above-described materials. Please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115 if you need any assistance or have any questions.

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant ESI as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the "metadata" (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact Darrin Swartz-Larson and he will refer you to the appropriate information technology (IT) staff to explain it to you and assist you with specific problems you may face. You should expeditiously identify for Darrin Swartz-Larson any critical databases that may contain relevant information and which may be updated and cause the information to be lost, to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.

3. Take steps to prevent the destruction of any potentially relevant information that has been transferred to a Federal Records Center or any other location.

4. Do not transfer any potentially relevant information to a Federal Records Center or any other location unless you have discussed it with Darrin Swartz-Larson and he has agreed that the information will be adequately preserved after being transferred and is not needed in its present location for purposes of this matter.

5. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer or hard drive containing relevant information is retired or reimaged, whether because of a departing employee or otherwise, please contact Darrin Swartz-Larson to ensure that the agency retains access to potentially relevant information after the retirement or upgrade.

6. Contact Darrin Swartz-Larson if there are any staffing changes in your office that may affect compliance with these instructions, such as the retirement or departure of people who have done work related to this matter or new or additional people doing work relating to this matter.

7. Treat non-identical copies of documents (word processing files, spreadsheets, etc.) as if they were unique and save, at a minimum, the latest version and all versions that were shared with others. Call Darrin Swartz-Larson to assist you in determining which other intermediate drafts, if any, to save.

8. If potentially relevant ESI has not been preserved, then immediately contact Darrin Swartz-Larson. Under some circumstances, IT staff may be able to recover information.

9. To the maximum extent possible, maintain information subject to the litigation hold in an orderly, readily retrievable manner. This will greatly facilitate later production of the information, as required.

- Set up electronic and hard copy folders to preserve relevant information that you generate, including electronic communication, and establish separate files for confidential and public information.

- Copy email that you create related to this matter to R6_DWH_Info@epa.gov, and forward email you receive related to this matter to this email box if it has not been copied to it. Please see the R6 Advisory, Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions, issued on May 7, 2010, for more information.

matter to this email box if it has not been copied to it. Please see the R6 Advisory, Doc Preservation/Lit Hold: Gulf Oil Spill Email Instructions, issued on May 7, 2010, for more information.

10. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact Darrin Swartz-Larson.

11. Please review the list of recipients of this litigation hold notice. If you are aware of other people not listed who have worked or are working on this matter, or whom you otherwise believe may have custody of potentially relevant information, immediately contact Darrin Swartz-Larson.

12. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions.

13. If at all possible, do not send e-mails or other communications concerning this matter from personal e-mail accounts or do work on this matter on home computers, personal PDAs, or other non-EPA electronic devices. Please be advised that using personal e-mail accounts or personal electronic equipment may subject such items to a required search in litigation.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this e-mail and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by clicking here .

If you have any questions regarding these instructions, please contact Darrin Swartz-Larson at swartz-larson.darrin@epa.gov or 214-665-7115.

Remember that this is very important and failure to comply with these instructions may be damaging to the government's interests in relation to this matter.

Thank you for your attention to this matter.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:09 PM -----

From: Karen Bick/R6/USEPA/US
To: R6 6WQ-ALL, Philip Turner/R6/USEPA/US@EPA
Date: 05/25/2010 11:27 AM
Subject: FYI- Oil Spill: Boon to Bacteria

Interesting posting on **The Scientist.com**

<http://www.the-scientist.com/blog/display/57448/>

KAREN BICK
(214) 665-7539
EPA Region 6
WATER QUALITY PROTECTION DIVISION (6WQ)
PARTNERSHIPS & COMMUNICATIONS Team

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Brad Crawford/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 12:58 PM
Oil Spill Impact on CWPPRA

Subject:

Karen,

This is uncharted territory for me, but hopefully I am in the ball park. Ken, I may not have worded the veggie demo stuff exactly, but it may be ok for this exercise..

Per your request, the following is a brief discussion of the recent impacts the oil spill having on a few of our CWPPRA projects. I have attached copies of the fact sheets for each project.

East Marsh Island Marsh Creation (TV-21) - This coastal wetland restoration project will create approximately 165 acres of marsh and nourish an additional 195 acres via dredging of sediments from Cote Blanche Bay. The project is currently in the early stages of construction. The containment for the project has almost entirely been completed, the contractor is currently mobilizing dredge pipe, and, the dredge is scheduled to be mobilized to the site by mid June. Oil has been reported on the southwest portion of the island believed to be caused by the BP oil spill. There have been concerns raised that the sediment may be, or may become, contaminated as a result of the BP spill. The stakeholders are in the process of determining the best course of action including a possible decision to delay the project or move forward. To date, the parties have stated that they intend to move forward until they are told to stop. They have asked EPA to provide any insights into whether environmental concerns that could delay or stop the project from moving forward.

Questions:

- Should construction be delayed until the Oil spill is under control and its impacts quantified?
- If not, should the sediment be tested prior to construction? during construction?
- If so, what are the sampling protocols for testing the sediment for contamination (frequency, spacing, parameters, sensitivity, etc)?
- If contaminants are found what are the thresholds for contaminants which pose environmental harm? (i.e. how high is too high)?
- What is the process for accountability and responsibility?
 - Who makes the call on whether the contract should be postponed?
 - Who pays for the additional sampling?
 - How are the impacts to be quantified and mitigated?
 - How/where should claims be documented?

I suggest that EPA NOT make a call on whether or not to continue, rather, just provide the protocols and testing methods to determine adverse impacts. Then, let the economics and risk drive the sponsor's decision on how to proceed.

Whiskey Island Back Barrier (TE-50) - The project includes construction of approximately 316 acres of back barrier island habitat adjacent to

Whiskey Island. The initial construct including the placement of sediment was completed as of October 2009. The placement of vegetative plantings is/was currently underway and is about 85% complete. However, because of the impacts associated with the BP Oil Spill, the project has been boomed off and the sponsor no longer have access to the island to complete the plantings. At face value, the sponsors could accept 85% completion of the plants although the contractor may have a claim against the project for not being able to complete the work (i.e. the contractor is paid by the number of plants).

Questions:

- Can the contractor be granted access to complete the work?
- Should the sponsors be looking to make a claim against BP for adverse impacts to this project?
- How/where should claims be documented?

Enhancement of Barrier Island Vegetation (TE-53) - This project is a "demonstration" project that is partially dependant on the Whiskey Back Barrier project plantings noted above. This project is an experiment that was also "in-progress" when access to Whiskey Island was cut off. OCPR is currently trying to get permission to allow the contractor access to the island to complete the experiment. If this fails and access is denied, it could significantly affect the outcome of the experiment and the ultimate success of the demonstration project on Whiskey Island.

Question:

- Can the contractor get access to Whiskey Island to complete the experiment for the next several weeks?
- If not, is BP liable for the failure of the experiment?
- How/where should claims be documented?

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Brad Crawford, P.E.
US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255
214.665.6689 fax

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"Know a tree by its fruit"

From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 05/25/2010 01:22 PM
Subject: Re: Oil Spill Impact on CWPPRA

I strongly disagree with one of your recommendations:

East Marsh Island- EPA is the Federal Sponsor. I recommend that we deliberate carefully on our responsibilities under CWPPRA, as part of this decision. Legally, COE and EPA, under Section 404 CWA, have responsibilities for approving the disposal of dredged material in inland waters, which this project does. I assume the state has a 404 permit. If the dredged material is now contaminated, there may be 404 legal issues. Scientifically, it is not a good idea to build artificial marsh with contaminated sediments **EVER**. Logistically, I understand there is a lot "in motion" and you hate to get in the way of that, but... And finally, ethically, I question whether simply moving ahead is the best course of action. *If the borrow sediments are not oiled, and the marsh creation site isn't oiled* then by all means, proceed.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Brad Crawford/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 12:58 PM

Subject: Oil Spill Impact on CWPPRA

Karen,

This is uncharted territory for me, but hopefully I am in the ball park. Ken, I may not have worded the veggie demo stuff exactly, but it may be ok for this exercise..

Per your request, the following is a brief discussion of the recent impacts the oil spill having on a few of our CWPPRA projects. I have attached copies of the fact sheets for each project.

East Marsh Island Marsh Creation (TV-21) - This coastal wetland restoration project will create approximately 165 acres of marsh and nourish an additional 195 acres via dredging of sediments from Cote Blanche Bay. The project is currently in the early stages of construction. The containment for the project has almost entirely been completed, the contractor is currently mobilizing dredge pipe, and, the dredge is scheduled to be mobilized to the site by mid June. Oil has been reported on the southwest portion of the island believed to be caused by the BP oil spill. There have been concerns raised that the sediment may be, or may become, contaminated as a result of the BP spill. The stakeholders are in the process of determining the best course of action including a possible decision to delay the project or move forward. To date, the parties have stated that they intend to move forward until they are told to stop. They have asked EPA to provide any insights into whether environmental concerns that could delay or stop the project from moving forward.

Questions:

- Should construction be delayed until the Oil spill is under control and its impacts quantified?
- If not, should the sediment be tested prior to construction? during construction?
- If so, what are the sampling protocols for testing the sediment for contamination (frequency, spacing, parameters, sensitivity, etc)?
- If contaminants are found what are the thresholds for contaminants which pose environmental harm? (i.e. how high is too high)?
- What is the process for accountability and responsibility?
 - Who makes the call on whether the contract should be postponed?
 - Who pays for the additional sampling?
 - How are the impacts to be quantified and mitigated?
 - How/where should claims be documented?

I suggest that EPA NOT make a call on whether or not to continue, rather, just provide the protocols and testing methods to determine adverse impacts. Then, let the economics and risk drive the sponsor's decision on how to proceed.

Whiskey Island Back Barrier (TE-50) - The project includes construction of approximately 316 acres of back barrier island habitat adjacent to

Whiskey Island. The initial construct including the placement of sediment was completed as of October 2009. The placement of vegetative plantings is/was currently underway and is about 85% complete. However, because of the impacts associated with the BP Oil Spill, the project has been boomed off and the sponsor no longer have access to the island to complete the plantings. At face value, the sponsors could accept 85% completion of the plants although the contractor may have a claim against the project for not being able to complete the work (i.e. the contractor is paid by the number of plants).

Questions:

- Can the contractor be granted access to complete the work?
- Should the sponsors be looking to make a claim against BP for adverse impacts to this project?
- How/where should claims be documented?

Enhancement of Barrier Island Vegetation (TE-53) - This project is a "demonstration" project that is partially dependant on the Whiskey Back Barrier project plantings noted above. This project is an experiment that was also "in-progress" when access to Whiskey Island was cut off. OCPR is currently trying to get permission to allow the contractor access to the island to complete the experiment. If this fails and access is denied, it could significantly affect the outcome of the experiment and the ultimate success of the demonstration project on Whiskey Island.

Question:

- Can the contractor get access to Whiskey Island to complete the experiment for the next several weeks?
- If not, is BP liable for the failure of the experiment?
- How/where should claims be documented?

[attachment "TV-21.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "TE-53.pdf" deleted by Kenneth Teague/R6/USEPA/US]
[attachment "TE-50.pdf" deleted by Kenneth Teague/R6/USEPA/US]

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Brad Crawford, P.E.
US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255
214.665.6689 fax
<>< ><> <>< ><> <>< ><>
"Know a tree by its fruit"

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 05/25/2010 01:35 PM
Subject: Re: Oil Spill Impact on CWPPRA

In my previous email, I had forgotten that NRCS is now the Federal lead during construction, so that might change my recommendation. I guess the question is: What is EPA's role/responsibility currently for the East Marsh Island project? Depending on the answer, my previous may, or may not apply.

As a footnote, we just got done discussing this. We may not disagree as much as I had thought on this, particularly in light of our lesser role relative to NRCS. But I do think our responsibilities go beyond our 404 regulatory responsibilities, and include project partner technical responsibilities.

fyi, the applicable testing guidance is the Inland Testing Manual.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Brad Crawford/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA
Cc: Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 12:58 PM
Subject: Oil Spill Impact on CWPPRA

Karen,

This is uncharted territory for me, but hopefully I am in the ball park. Ken, I may not have worded the veggie demo stuff exactly, but it may be ok for this exercise..

Per your request, the following is a brief discussion of the recent impacts the oil spill having on a few of our CWPPRA projects. I have attached copies of the fact sheets for each project.

East Marsh Island Marsh Creation (TV-21) - This coastal wetland restoration project will create approximately 165 acres of marsh and nourish an additional 195 acres via dredging of sediments from Cote Blanche Bay. The project is currently in the early stages of construction. The containment for the project has almost entirely been completed, the contractor is currently mobilizing dredge pipe, and, the dredge is scheduled to be mobilized to the site by mid June. Oil has been reported on the southwest portion of the island believed to be caused by the BP oil spill. There have been concerns raised that the sediment may be, or may become, contaminated as a result of the BP spill. The stakeholders are in the process of determining the best course of action including a possible decision to delay the project or move forward. To date, the parties have stated that they intend to move forward until they are told to stop. They have asked EPA to provide any insights into whether environmental concerns that could delay or stop the project from moving forward.

Questions:

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- If so, what are the sampling protocols for testing the sediment for contamination (frequency, spacing, parameters, sensitivity, etc)?
- If contaminants are found what are the thresholds for contaminants which pose environmental harm? (i.e. how high is too high)?
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 - Who makes the call on whether the contract should be postponed?
 - Who pays for the additional sampling?
 - How are the impacts to be quantified and mitigated?
 - How/where should claims be documented?

I suggest that EPA NOT make a call on whether or not to continue, rather, just provide the protocols and testing methods to determine adverse impacts. Then, let the economics and risk drive the sponsor's decision on how to proceed.

Whiskey Island Back Barrier (TE-50) - The project includes construction of approximately 316 acres of back barrier island habitat adjacent to Whiskey Island. The initial construct including the placement of sediment was completed as of October 2009. The placement of vegetative plantings is/was currently underway and is about 85% complete. However, because of the impacts associated with the BP Oil Spill, the project has been boomed off and the sponsor no longer have access to the island to complete the plantings. At face value, the sponsors could accept 85% completion of the plants although the contractor may have a claim against the project for not being able to complete the work (i.e. the contractor is paid by the number of plants).

Questions:

- Can the contractor be granted access to complete the work?
- Should the sponsors be looking to make a claim against BP for adverse impacts to this project?
- How/where should claims be documented?

Enhancement of Barrier Island Vegetation (TE-53) - This project is a "demonstration" project that is partially dependant on the Whiskey Back Barrier project plantings noted above. This project is an experiment that was also "in-progress" when access to Whiskey Island was cut off. OCPH is currently trying to get permission to allow the contractor access to the island to complete the experiment. If this fails and access is denied, it could significantly affect the outcome of the experiment and the ultimate success of the demonstration project on Whiskey Island.

Question:

- Can the contractor get access to Whiskey Island to complete the experiment for the next several weeks?
- If not, is BP liable for the failure of the experiment?
- How/where should claims be documented?

[attachment "TV-21.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "TE-53.pdf" deleted by Kenneth Teague/R6/USEPA/US]
[attachment "TE-50.pdf" deleted by Kenneth Teague/R6/USEPA/US]

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Brad Crawford, P.E.
US EPA (6WQ-EC)
1445 Ross Ave.
Dallas, TX 75202
214.665.7255
214.665.6689 fax

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"Know a tree by its fruit"

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 05/25/2010 01:46 PM
Subject: Re: Oil Spill Impact on CWPPRA

Inland Testing Manual:

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Brad Crawford/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 12:58 PM
Subject: Oil Spill Impact on CWPPRA

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Whiskey Island Back Barrier (TE-50) - The project includes construction of approximately 316 acres of back barrier island habitat adjacent to Whiskey Island. The initial construct including the placement of sediment was completed as of October 2009. The placement of vegetative

plantings is/was currently underway and is about 85% complete. However, because of the impacts associated with the BP Oil Spill, the project has been boomed off and the sponsor no longer have access to the island to complete the plantings. At face value, the sponsors could accept 85% completion of the plants although the contractor may have a claim against the project for not being able to complete the work (i.e. the contractor is paid by the number of plants).

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- Should the sponsors be looking to make a claim against BP for adverse impacts to this project?
- How/where should claims be documented?

Enhancement of Barrier Island Vegetation (TE-53) - This project is a "demonstration" project that is partially dependant on the Whiskey Back Barrier project plantings noted above. This project is an experiment that was also "in-progress" when access to Whiskey Island was cut off. OCPH is currently trying to get permission to allow the contractor access to the island to complete the experiment. If this fails and access is denied, it could significantly affect the outcome of the experiment and the ultimate success of the demonstration project on Whiskey Island.

Question:

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- If not, is BP liable for the failure of the experiment?
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[attachment "TV-21.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "TE-53.pdf" deleted by Kenneth Teague/R6/USEPA/US]
[attachment "TE-50.pdf" deleted by Kenneth Teague/R6/USEPA/US]

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US EPA (6WQ-EC)
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214.665.6689 fax

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"Know a tree by its fruit"

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Craig Hesterlee/R4/USEPA/US@EPA
Cc: Craig Higgason/R4/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/25/2010 01:58 PM
Subject: Re: Contact info for Personnel who were told no access to Whiskey Island, New Cut

Craig- No, I did not intend to send this to either you, or Craig Higgason. I put "Mark Hester" in the to: field in the email. My email program/address book must have somehow gotten confused?? Please disregard. Mark Hester is a contractor doing an experiment for the State of Louisiana and EPA. Note that his name is somewhat similar to yours- thus the snafu I assume?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Craig Hesterlee/R4/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Craig Higgason/R4/USEPA/US@EPA
Date: 05/25/2010 01:54 PM
Subject: Re: Contact info for Personnel who were told no access to Whiskey Island, New Cut

Kenneth- did you mean to contact Craig Higgason our region 4 Water Division attorney? If so I copied him.

Craig Hesterlee
USEPA Region 4 Water Protection Division
South Carolina Watershed Coordinator
(404) 562-9749
hesterlee.craig@epa.gov

From: Kenneth Teague/R6/USEPA/US
To: Craig Hesterlee/R4/USEPA/US@EPA, jwillis@louisiana.edu
Date: 05/25/2010 10:43 AM
Subject: Contact info for Personnel who were told no access to Whiskey Island, New Cut

Mark/Jonathon- My boss might be able to speak to somebody about access. She is very involved in the oil spill response effort. She is asking for the name and number of whoever said you could not access the islands. So, if you could either send me that person's name and number, or give me a point of contact on your team who is closest to that actual discussion, I would appreciate it. If we can figure out who said it, Karen (my boss) will probably call them and confirm whether or not they have the authority to do so, etc.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/25/2010 02:16 PM
Subject: Fw: Breaux Act Newsflash - Final Call for Oil Related Posters for SOC Conference

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/25/2010 02:15 PM -----

From: "Breux Act Newsflash" <BreuxAct@nwrccom.cr.usgs.gov>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/25/2010 01:36 PM
Subject: Breux Act Newsflash - Final Call for Oil Related Posters for SOC Conference

Special Call for Oil Related Posters - The SOC is now calling for additional posters pertaining specifically to the oil spill. Poster topics, such as chemistry of oil or dispersants, modeling, monitoring, remediation solutions, fisheries and wildlife impacts, wetland impacts, and challenges to protection and restoration, are being sought both for the current spill or research on past oil spills.

Space is limited so please send an email with the Title of your poster presentation and the Presenting Author(s) to Natalie Snider at

nsnider@crcl.org as soon as possible. In order for the poster to be included in the program, it must be received by COB Wednesday, May 26, 2010.

See what's new on the Breaux Act Web site! Visit www.LaCoast.gov

TELL US WHAT YOU THINK

We welcome your comments! Contact us at lacoast@nwrccom.cr.usgs.gov

SPREAD THE WORD!

Tell your friends they can receive this free newsletter by subscribing at: <http://www.lacoast.gov/news/newsletter.htm>

FOR MORE PROGRAM INFORMATION:

Subscribe to WaterMarks, the Breaux Act newsletter, by contacting lacoast@nwrccom.cr.usgs.gov

To view on-line issues visit <http://www.lacoast.gov/WaterMarks>

OTHER RELATED COASTAL RESTORATION WEB SITES:

U.S. Army Corps of Engineers - New Orleans District:

<http://www.mvn.usace.army.mil/>

USDA Natural Resources Conservation Service - Louisiana:

<http://www.la.nrcs.usda.gov/>

NOAA National Marine Fisheries Service:

<http://www.nmfs.noaa.gov/habitat/restoration/>

EPA Region 6: <http://www.epa.gov/earthlr6/index.htm>

US Fish and Wildlife Service: <http://www.fws.gov/>

Louisiana Office of Coastal Protection and Restoration:

<http://www.ocpr.louisiana.gov/>

Louisiana Governor's Office of Coastal Activities:

<http://www.goca.state.la.us/>

U.S.G.S. National Wetlands Research Center: <http://www.nwrc.usgs.gov/>

Barataria-Terrebonne National Estuary Program: <http://www.btnep.org/>

Coalition to Restore Coastal Louisiana <http://www.crcl.org/>

Coast 2050: <http://www.coast2050.gov/>

Louisiana Cooperative Extension Service:

http://www.lsuagcenter.com/en/administration/about_us/extension/

Louisiana Coastal Area Ecosystem Restoration Study: <http://www.lca.gov/>

National Coastal Wetlands Conservation Grant Program:

<http://www.fws.gov/coastal/CoastalGrants/>

Louisiana Seagrant: <http://www.laseagrant.org/>

America's WETLAND: <http://www.americaswetland.com/>
Minerals Management Service Sand and Gravel Program:
<http://www.mms.gov/sandandgravel/>
Lake Pontchartrain Basin Foundation:
<http://www.saveourlake.org/>

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Darryl_Clark@fws.gov
Cc: Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/26/2010 10:41 AM
Subject: Re: Fw: SCAT Daily Status Map and Table- May 22, 2010

Thanks for asking Darryl. I understand there are probably lots of high priority needs right now.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

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From: Darryl_Clark@fws.gov
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 10:38 AM
Subject: Fw: SCAT Daily Status Map and Table- May 22, 2010

Ken,

Upon your request I asked that BTNEP be placed on the SCAT maps. Below is the response.

Darryl

----- Forwarded by Darryl Clark/R4/FWS/DOI on 05/26/2010 10:36 AM -----

Gregory Rhinehart/R4/FWS/DOI

05/25/2010 07:55 PM

Darryl Clark/R4/FWS/DOI@FWS
To

cc

Re: Fw: SCAT Daily Status Map and Table- May 22, 2010
Subject

Darryl - We will look into adding the EPA data to the map later this week. We are currently covered up with higher

priority projects.

Greg

~~~~~  
Greg Rhinehart  
Cartographer  
U.S. Fish & Wildlife Service  
446 Neal Street  
Cookeville, TN 38501  
931-528-6481 ext 227  
931-528-7075 Fax  
[gregory\\_rhinehart@fws.gov](mailto:gregory_rhinehart@fws.gov)

-----Darryl Clark/R4/FWS/DOI wrote: -----

To: Gregory\_Rhinehart@fws.gov  
From: Darryl Clark/R4/FWS/DOI  
Date: 05/25/2010 05:12PM  
cc: Robert\_Greco@fws.gov  
Subject: Fw: SCAT Daily Status Map and Table- May 22, 2010

Greg,

The EPA Region 6 assistant administrator Bill Honker requested that we try to place their Barataria Terrebonne Estuary (BTNEP) program boundaries on the map. Its basically the Terrebonne and Barataria Basins. I see from the map that refuges and WMA's only are included. You may not wish to add BTNEP.

Thanks,

Darryl

Darryl Clark  
CWPPRA Coordinator  
U.S. Fish and Wildlife Service  
646 Cajundome Blvd., Suite 400  
Lafayette, LA 70506  
337-291-3111  
291-3139 fax  
-----[attachment "pic29657.gif" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US  
To: Darryl\_Clark@fws.gov  
Date: 05/26/2010 11:36 AM  
Subject: Re: Fw: SCAT Daily Status Map and Table- May 22, 2010

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Thanks Darryl. We appreciate it.

Kenneth Teague, PWS, Certified Senior Ecologist  
Environmental Scientist  
Marine and Coastal Section  
EPA Region 6  
1445 Ross Ave, Suite 1200 (6WQ-EC)  
Dallas, TX 75202  
phone: 214-665-6687  
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From: Darryl\_Clark@fws.gov  
To: Kenneth Teague/R6/USEPA/US@EPA  
Cc: Chris Llewellyn/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA  
Date: 05/26/2010 11:33 AM  
Subject: Re: Fw: SCAT Daily Status Map and Table- May 22, 2010

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Ken,

It looks like they will include the BTNEP on the map. They just have to find time to do it. You may have to be patient. As we discussed, the only other items on the maps are the FWS refuges and LDWF Wildlife Management Areas.

Darryl

Teague.Kenneth@epamail.epa.gov

**Teague.Kenneth@epamail.epa.gov**

05/26/2010 10:41 AM

To Darryl\_Clark@fws.gov  
McCormick.Karen@epamail.epa.gov, Llewellyn.Chris@epamail.epa.gov  
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Darryl Clark/R4/FWS/DOI@FWS



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Greg Rhinehart
Cartographer
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Cookeville, TN 38501
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Darryl

Darryl Clark
CWPPRA Coordinator

U.S. Fish and Wildlife Service
646 Cajundome Blvd., Suite 400
Lafayette, LA 70506
337-291-3111
291-3139 fax

-----[attachment "pic29657.gif" deleted by Kenneth Teague/R6/USEPA/US]
[attachment "pic10021.gif" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F David Reazin/R6/USEPA/US
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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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S Region 6 WQ Situation Update #19 (5-26-2010)
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Chris Llewellyn/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 02:28 PM
Subject: CWPPRA SITREP for May 27-28

Karen,

This is a reminder that I will be out of the office May 27-28 and will be unable to complete the SIT REP for these days. I can train whomever needs to be trained on where to download the NOAA forecast for these days this afternoon (5/26) if need be. Thanks.

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague <kgteague@sbcglobal.net>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:08 PM
Subject: Fw: Oil Effect on Wetlands

----- Forwarded Message -----

From: SWS Secretariat <SWS@burkinc.com>

To: kgteague@sbcglobal.net

Sent: Wed, May 26, 2010 1:07:49 PM

Subject: Oil Effect on Wetlands

Dear SWS Members:

The oil has hit the Louisiana coastal wetlands and you may be wondering what ecological effects it will cause. Attached is brief review of the most important scientific literature on effects of oil on wetlands written by our Environmental Concerns committee. Feel free to disseminate widely. It will also be posted on the SWS Website.

With best wishes,
Andy Baldwin
President, SWS

The Deepwater Horizon disaster and wetlands
Statement from the Environmental Concerns Committee
Society of Wetland Scientists

Dennis F. Whigham, Chair
Stephen W. Broome
Curtis J. Richardson
Robert L. Simpson

Loren M. Smith

May 18, 2010

Coastal wetlands are essential components of healthy and productive coastal fisheries, and nowhere within the lower 48 states has the critical linkage between wetlands and fisheries resources been more clearly demonstrated than in the Gulf Mexico (e.g., Chesney et al. 2000, Crain et al. 1979). Louisiana alone, for example, generates 30% of the nation's seafood production (Day et. al., 2005) and accounts for 40% of the total wetlands in the conterminous United States (Richardson and Pahl 2006). The ongoing loss of wetland resources in the Gulf of Mexico and the potential economic and environmental costs, especially in Louisiana and Florida, is an issue of international concern. The impacts of the current oil spill are unknown but the potential for direct and indirect environmental damage to coastal ecosystem services are extraordinary. Both the oil and the activities used in the cleanup have the potential to adversely affect wetland flora and fauna.

Thus far, most of the oil has remained offshore but reports of oil reaching the coast have been geographically extensive ranging from Florida to Louisiana. The potential geographic extent of the spill could result in the exposure of many types of coastal wetlands to oil, ranging from mangroves in Florida, Texas, Mexico and islands in the Caribbean basin to tidal freshwater wetlands along the Gulf Coast. Most wetlands that will potentially be exposed to oil are saline and brackish tidal wetlands, which are nursery grounds for economically important coastal fish and shellfish. Seagrass beds are also at risk.

Experimental and monitoring studies around the world have found that oil commonly has a negative impact on emergent wetlands and the biota that reside in them (e.g., Lin et al. 2002). However, the degrees of impacts are variable and complex (Pezeshki et al. 2000), depending on the species composition of the wetland vegetation (e.g., Lin and Mendelssohn 1996), the amount and characteristics of the oil, the extent of weathering, and the geographic location of the wetland. Tropical and subtropical mangroves seem especially vulnerable to oil spills (e.g., Garrity and Levings 1993, Proffitt et al. 1995), as was demonstrated along the Persian Gulf following the Gulf War and in Panama following a major spill in 1986. Coastal wetlands in the Gulf of Mexico are also sensitive to oil as are species-rich tidal freshwater wetlands, although long term impacts span the gamut from rapid recovery within a growing season to delayed recovery for several years (Hester and Mendelssohn 2000). In addition to direct impacts on emergent plants, oil that reaches wetlands also impacts animals that utilize the wetlands, especially benthic organisms that reside in the substrate.

Studies of impacted wetlands have demonstrated that wetlands can recover from the impacts of oil spills but the recovery process varies from extremely slow in mangroves swamps (e.g., Burns et al. 1993, 1994) to relatively rapid in grass-dominated marshes (Pahl et al. 2003). The recovery of coastal wetlands from the current oil spill will be further complicated due to current stress on wetland plant productivity from the ongoing 1 cm yr⁻¹ relative sea level rise (Stumpf and Haines 1998) and land subsidence due to natural and human-related factors within the Louisiana coastal zone (Richardson and Pahl 2006).

The current oil spill in the Gulf of Mexico has also focused discussion on where offshore drilling should be allowed. The disaster at the Deepwater Horizon platform demonstrates that the placement of oil wells in deep offshore waters has the potential to have far-reaching geographic impact. The disaster has also demonstrated that current technologies are not adequate to assure that an accident of this magnitude in deep ocean areas can be effectively managed without enormous economic and environmental costs. While the short- and long-term impacts of the current oil spill on ecosystem services unfold, the Society of Wetlands Scientists supports (1) the immediate inspection of all offshore oil facilities and remediation, if required, to ensure that an accident of this type does not happen again and (2) a moratorium on all new deep-water oil exploration and extraction until further technological advances are available and tested to assure that the impacts of accidents of this sort can be managed efficiently to assure minimal negative impacts to coastal resources.

References

- Burns, K.A., S.D. Garrity, and S.C. Levings. 1993. How many years until mangrove ecosystems recover from catastrophic oil spills? *Marine Pollution Bulletin* 26: 239-248.
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- Garrity, S.D. and S.C. Levings. 1993. Effects of an oil spill on some organisms living on mangrove (*Rhizophora mangle* L.) roots in Caribbean Panama. *Marine Environmental Research* 35: 251-271.
- Hester, M. W. and I. A. Mendelssohn. 2000. Long-term recovery of a Louisiana brackish marsh plant community from oil-spill impact: vegetation response and mitigating effects of marsh surface elevation. *Marine Environmental Research* 49:233-254.
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- Pezeshki, S.R., M.W. Hester, Q. Lin, and J.A. Nyman. 2000. The effects of oil spill and clean-up on dominant US Gulf coast marsh

macrophytes: a review. Environmental Pollution 108: 129-139.

Proffitt, C.E., D.J. Devlin, and M. Lindsey. 1995. Effects of oil on mangrove seedlings grown under different environmental conditions. Marine Pollution Bulletin 30: 788-793.

Richardson, C. J. and J. W. Pahl. 2006. Katrina consequences assessment and projection Report. Chapter 23, in FEMA Report on Impacts of Hurricane Katrina. February 2006. Washington, D. C.

Stumpf, R. P. and J. W. Haines. 1998. Variations in tidal level in the Gulf of Mexico and implications for tidal wetlands. Estuarine, Coastal, and Shelf Science 46:165–173.

Society of Wetland Scientists Mission

The mission of the Society of Wetland Scientists is to promote understanding, scientifically based management, and sustainable use of wetlands. The current oil spill in the Gulf of Mexico has the potential to impact coastal wetlands and cause enormous short- and long-term damage to ecosystem services they provide. The potential short- and long-term economic costs are therefore massive and unprecedented.

<http://www.burkinc.com/May22.pdf>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague <kgteague@sbcglobal.net>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:11 PM
Subject: Re:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr
o Kenneth Teague/R6/USEPA/US

m:

To Karen McCormick/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, John
: Ettinger/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA

Da 05/27/2010 07:57 AM

te:

Su Fw: Oil Effect on Wetlands

bje

ct:

fyi

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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Society of Wetland Scientists Mission

The mission of the Society of Wetland Scientists is to promote understanding, scientifically based management, and sustainable use of wetlands. The current oil spill in the Gulf of Mexico has the potential to impact coastal wetlands and cause enormous short- and long-term damage to ecosystem services they provide. The potential short- and long-term economic costs are therefore massive and unprecedented.

<http://www.burkinc.com/May22.pdf>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA

Date: 05/27/2010 08:05 AM

Subject: Fw:

I found this last night at home. It looks similar to something in the daily spill reports about SW Pass and Ocean Dumping, so we should ask Steve whether he knows anything about it. My questions are, has it ever been demonstrated to detect oil when it is there? And how do we know it is detecting oil that is there? Has it been validated?

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to make decisions whether or not to do additional sediment testing prior to (and during) dredging in areas that might be oiled by the largest oil spill in history (not sure, has it actually broken the record yet?).

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/27/2010 07:58 AM -----

From:
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:11 PM
Subject: Re:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/27/2010 08:09 AM
Subject: BP is indicating success of Top Kill!

Folks-

Hope I'm not jumping the gun on this but I just posted an announcement that I heard at 7:55 on NPR's Morning Edition Business Page that BP seems to think the oil gusher is being shut down. Huge news, if true.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Stephen Bainter" <Bainter.Stephen@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>
Date: 05/27/2010 08:13 AM
Subject: Re:

Thanks Ken. Barbara and steve are working that issue right now!!

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Kenneth Teague
Sent: 05/27/2010 08:05 AM CDT
To: Karen McCormick; Brad Crawford; Paul Kaspar; John Ettinger
Subject: Fw:

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/27/2010 07:58 AM -----

From:

To: Kenneth Teague/R6/USEPA/US@EPA

Date: 05/26/2010 09:11 PM

Subject: Re:

[attachment "18_cosco-busan-lawrence.pdf" deleted by Karen McCormick/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Barbara Keeler/R6/USEPA/US

To: Kenneth Teague/R6/USEPA/US@EPA

Date: 05/27/2010 08:22 AM

Subject: Fw: Re:

Ken, I'm working from home and the attachment didn't come through -- not sure which paper you're addressing. Could you re-send attachment?
Thanks.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

----- Forwarded by Barbara Keeler/R6/USEPA/US on 05/27/2010 08:21 AM -----

Re: [Link](#)

Karen McCormick

to: Kenneth Teague

05/27/2010 08:13 AM

Cc: "Stephen Bainter", "Barbara Keeler"

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Sent by EPA Wireless E-Mail Services

----- Original Message -----

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Sent: 05/27/2010 08:05 AM CDT

To: Karen McCormick; Brad Crawford; Paul Kaspar; John Ettinger

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Marine and Coastal Section
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From:
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:11 PM
Subject: Re:

[attachment "18_cosco-busan-lawrence.pdf" deleted by Karen McCormick/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Barbara Keeler/R6/USEPA/US@EPA
Date: 05/27/2010 08:24 AM
Subject: mop

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Mark Stead/R6/USEPA/US@EPA
Date: 05/27/2010 08:26 AM
Subject: Fw: Oil Effect on Wetlands

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/27/2010 08:26 AM -----

From: Kenneth Teague <kgteague@sbcglobal.net>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:08 PM
Subject: Fw: Oil Effect on Wetlands

----- Forwarded Message -----

From: SWS Secretariat <SWS@burkinc.com>

To: kgteague@sbcglobal.net

Sent: Wed, May 26, 2010 1:07:49 PM

Subject: Oil Effect on Wetlands

Dear SWS Members:

The oil has hit the Louisiana coastal wetlands and you may be wondering what ecological effects it will cause. Attached is brief review of the most important scientific literature on effects of oil on wetlands written by our Environmental Concerns committee. Feel free to disseminate widely. It will also be posted on the SWS Website.

With best wishes,
Andy Baldwin
President, SWS

The Deepwater Horizon disaster and wetlands
Statement from the Environmental Concerns Committee
Society of Wetland Scientists

Dennis F. Whigham, Chair
Stephen W. Broome
Curtis J. Richardson
Robert L. Simpson

Loren M. Smith

May 18, 2010

Coastal wetlands are essential components of healthy and productive coastal fisheries, and nowhere within the lower 48 states has the critical linkage between wetlands and fisheries resources been more clearly demonstrated than in the Gulf Mexico (e.g., Chesney et al. 2000, Crain et al. 1979). Louisiana alone, for example, generates 30% of the nation's seafood production (Day et. al., 2005) and accounts for 40% of the total wetlands in the conterminous United States (Richardson and Pahl 2006). The ongoing loss of wetland resources in the Gulf of Mexico and the potential economic and environmental costs, especially in Louisiana and Florida, is an issue of international concern. The impacts of the current oil spill are unknown but the potential for direct and indirect environmental damage to coastal ecosystem services are extraordinary. Both the oil and the activities used in the cleanup have the potential to adversely affect wetland flora and fauna.

Thus far, most of the oil has remained offshore but reports of oil reaching the coast have been geographically extensive ranging from Florida to Louisiana. The potential geographic extent of the spill could result in the exposure of many types of coastal wetlands to oil, ranging from mangroves in Florida, Texas, Mexico and islands in the Caribbean basin to tidal freshwater wetlands along the Gulf Coast. Most wetlands that will potentially be exposed to oil are saline and brackish tidal wetlands, which are nursery grounds for economically important coastal fish and shellfish. Seagrass beds are also at risk.

Experimental and monitoring studies around the world have found that oil commonly has a negative impact on emergent wetlands and the biota that reside in them (e.g., Lin et al. 2002). However, the degrees of impacts are variable and complex (Pezeshki et al. 2000), depending on the species composition of the wetland vegetation (e.g., Lin and Mendelssohn 1996), the amount and characteristics of the oil, the extent of weathering, and the geographic location of the wetland. Tropical and subtropical mangroves seem especially vulnerable to oil spills (e.g., Garrity and Levings 1993, Proffitt et al. 1995), as was demonstrated along the Persian Gulf following the Gulf War and in Panama following a major spill in 1986. Coastal wetlands in the Gulf of Mexico are also sensitive to oil as are species-rich tidal freshwater wetlands, although long term impacts span the gamut from rapid recovery within a growing season to delayed recovery for several years (Hester and Mendelssohn 2000). In addition to direct impacts on emergent plants, oil that reaches wetlands also impacts animals that utilize the wetlands, especially benthic organisms that reside in the substrate.

Studies of impacted wetlands have demonstrated that wetlands can recover from the impacts of oil spills but the recovery process varies from extremely slow in mangroves swamps (e.g., Burns et al. 1993, 1994) to relatively rapid in grass-dominated marshes (Pahl et al. 2003). The recovery of coastal wetlands from the current oil spill will be further complicated due to current stress on wetland plant productivity from the ongoing 1 cm yr⁻¹ relative sea level rise (Stumpf and Haines 1998) and land subsidence due to natural and human-related factors within the Louisiana coastal zone (Richardson and Pahl 2006).

The current oil spill in the Gulf of Mexico has also focused discussion on where offshore drilling should be allowed. The disaster at the Deepwater Horizon platform demonstrates that the placement of oil wells in deep offshore waters has the potential to have far-reaching geographic impact. The disaster has also demonstrated that current technologies are not adequate to assure that an accident of this magnitude in deep ocean areas can be effectively managed without enormous economic and environmental costs. While the short- and long-term impacts of the current oil spill on ecosystem services unfold, the Society of Wetlands Scientists supports (1) the immediate inspection of all offshore oil facilities and remediation, if required, to ensure that an accident of this type does not happen again and (2) a moratorium on all new deep-water oil exploration and extraction until further technological advances are available and tested to assure that the impacts of accidents of this sort can be managed efficiently to assure minimal negative impacts to coastal resources.

References

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<http://www.burkinc.com/May22.pdf>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, "Stephen Bainter" <Bainter.Stephen@epamail.epa.gov>
Date: 05/27/2010 11:53 AM
Subject: cosco busan spill

Thanks, Ken. I attended the meeting and heard Rob's presentation. Thanks, though, for sending an electronic copy.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Re: Link

Karen McCormick

to: Kenneth Teague

05/27/2010 08:13 AM

Cc: "Stephen Bainter", "Barbara Keeler"

Thanks Ken. Barbara and steve are working that issue right now!!

Sent by EPA Wireless E-Mail Services

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Sent: 05/27/2010 08:05 AM CDT

To: Karen McCormick; Brad Crawford; Paul Kaspar; John Ettinger

Subject: Fw:

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Dallas, TX 75202
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From:
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/26/2010 09:11 PM
Subject: Re:

[attachment "18_cosco-busan-lawrence.pdf" deleted by Karen McCormick/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr
o Mike Bira/R6/USEPA/US
m:

To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Beverly Ethridge/R6/USEPA/US@EPA, Bobby Hernandez/R6/USEPA/US@EPA, Brad Lamb/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Diane Evans/R6/USEPA/US@EPA, Emily Brokaw/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Mike Bira/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA,

Randall Rush/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, Russell Nelson/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA

Date: 05/27/2010 01:14 PM
Subject:

Subject: [volmonitor] FW: Oil Effect on Wetlands
From: bje
To:

FYI

Mike Bira
USEPA Region 6
Dallas, TX
214-665-6668

----- Forwarded by Mike Bira/R6/USEPA/US on 05/27/2010 01:11 PM -----

[volmonitor] FW: Oil Effect on Wetlands

Linda Green

to: Volunteer water monitoring

05/27/2010 01:09 PM

Please respond to "Volunteer water monitoring"

Please note that if you hit "reply" to a message on this list, your email will go to nearly 500 people unless you specify a recipient.

Apologies for cross-postings.

Linda Green

~::~~::~~::~><(((o>~::~~::~~::~><(((o>

Hi Folks,

Below is a statement from the Society of Wetland Scientists on the impacts of the Deepwater Horizon oil spill on wetlands and related coastal resources. I thought you might be interested.

Frank

Dr. Frank Golet
Professor of Wetland Ecology
Dept. of Natural Resources Science
108 Coastal Institute in Kingston
1 Greenhouse Road
University of Rhode Island
Kingston, RI 02881
Phone: (401) 874-2916
Fax: (401) 874-4561
Email: fgswamps@uri.edu

From: SWS Secretariat [<mailto:SWS@burkinc.com>]
Sent: Wednesday, May 26, 2010 1:51 PM
To: fgswamps@uri.edu
Subject: Oil Effect on Wetlands
Importance: High

Dear SWS Members:

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With best wishes,
Andy Baldwin
President, SWS

The Deepwater Horizon disaster and wetlands
Statement from the Environmental Concerns Committee
Society of Wetland Scientists

Dennis F. Whigham, Chair
Stephen W. Broome
Curtis J. Richardson
Robert L. Simpson
Loren M. Smith

May 18, 2010

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happen again and (2) a moratorium on all new deep-water oil exploration and extraction until further technological advances are available and tested to assure that the impacts of accidents of this sort can be managed efficiently to assure minimal negative impacts to coastal resources.

References

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Society of Wetland Scientists Mission

The mission of the Society of Wetland Scientists is to promote understanding, scientifically based management, and sustainable use of wetlands. The current oil spill in the Gulf of Mexico has the potential to impact coastal wetlands and cause enormous short- and long-term damage to ecosystem services they provide. The potential short- and long-term economic costs are therefore massive and unprecedented.

<http://www.burkinc.com/May22.pdf>

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Da 05/27/2010 01:24 PM
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Su Re: FOIA Request - Please read and reply immediately - affirmative or negative
bje
ct:

Negative

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Charlie Howell

Sent: 05/27/2010 01:09 PM CDT

To: Jane Watson; Maria Moreno; Charlie Howell; Forrest John; Jessica Franks; Laura Hunt; Mark Stead; Mike Schaub; Paul Koska; Barbara Keeler; Brad Crawford; Chris Llewellyn; Doug Jacobson; John Ettinger; Karen McCormick; Kenneth Teague; Minerva Rojo; Patricia-A Taylor; Paul Kaspar; Stephen Bainter; Barbara Aldridge; Donna Mullins; Jeanene Peckham; Jenelle Hill; Jim Herrington; Raul Gutierrez; Richard Prather; Sharon Parrish; Tamara Mick; Tami Sundquist; Thomas Nystrom; Beverly Ethridge; Bobby Hernandez; Brad Lamb; Carolyn Hill; Diane Evans; Emily Brokaw; Matt Hubner; Mike Bira; Philip Crocker; Randall Rush; Renee Bellew; Russell Nelson; Tina Hendon

Subject: FOIA Request - Please read and reply immediately - affirmative or negative

We have received a request for copies of all e-mail exchanges between Region 6 staff and the Congressional Office of U.S. Reps. Harry Teague and Silvestre Reyes in 2009 and 2010.

Please let me know immediately, if you are aware of any such communications between yourself and/or your coworkers.

Charlie Howell
EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/27/2010 01:53 PM
Subject: Re: FOIA Request - Please read and reply immediately - affirmative or negative

Not me. And I don't know Harry Teague.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr Karen McCormick/R6/USEPA/US
o
m:

To: Charlie Howell/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Maria Moreno/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Beverly Ethridge/R6/USEPA/US@EPA

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Subject: Re: FOIA Request - Please read and reply immediately - affirmative or negative
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From: Charlie Howell

Sent: 05/27/2010 01:09 PM CDT

To: Jane Watson; Maria Moreno; Charlie Howell; Forrest John; Jessica Franks; Laura Hunt; Mark Stead; Mike Schaub; Paul Koska; Barbara Keeler; Brad Crawford; Chris Llewellyn; Doug Jacobson; John Ettinger; Karen McCormick; Kenneth Teague; Minerva Rojo; Patricia-A Taylor; Paul Kaspar; Stephen Bainter; Barbara Aldridge; Donna Mullins; Jeanene Peckham; Jenelle Hill; Jim Herrington; Raul Gutierrez; Richard Prather; Sharon Parrish; Tamara Mick; Tami Sundquist; Thomas Nystrom; Beverly Ethridge; Bobby Hernandez; Brad Lamb; Carolyn Hill; Diane Evans; Emily Brokaw; Matt Hubner; Mike Bira; Philip Crocker; Randall Rush; Renee Bellew; Russell Nelson; Tina Hendon

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Charlie Howell
EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

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To: R6 OSC, R6 6WQ-EC, Jane Watson/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Blake Atkins/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, EOC Water@EPA, Doug Mundrick/R4/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Nanci Gelb/DC/USEPA/US@EPA, Jim Knoy/DC/USEPA/US@EPA, Mark Mjoness/DC/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA
Date: 05/27/2010 02:08 PM
Subject: Fw: NOAA Hurricane Season Predictions

Watch the General Article - discuss on what could happen during this hurricane season if it encounters oil

<http://www.cnn.com/2010/US/05/27/hurricane.season.forecast/index.html?hpt=Sbin> – General Article

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

NOAA has released their 2010 Hurricane season predictions. Here are a few articles/blogs you might be interested in:

http://www.noaanews.noaa.gov/stories2010/20100527_hurricaneoutlook.html - Official Press Release

<http://www.cnn.com/2010/US/05/27/hurricane.season.forecast/index.html?hpt=Sbin> – General Article

<http://www.wunderground.com/blog/JeffMasters/comment.html?entrynum=1493> – Blog from a meteorologist that goes more in depth about what it all means.

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Fr Karen McCormick/R6/USEPA/US

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To Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Charlie
Howell/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark
Stead/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA

Cc
: R6 6WQ-EC, EOC Water@EPA

Da 05/27/2010 02:21 PM

te:

Su Fw: Deepwater Horizon Situation Report # 30 - Region 6

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ct:

FYI

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

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Date: 05/27/2010 02:12 PM
Subject: Deepwater Horizon Situation Report # 30 - Region 6

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 30**
 Deepwater Horizon Incident, Gulf of Mexico
Date: May 27, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 25, 2010 0700 – May 28, 2010 0700
Reporting Period: May 26, 2010 1300 – May 27, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/27:
 - 15,336 personnel and 1,269 offshore vessels are currently responding to the incident.
 - Over 1.87 million feet of containment boom and 1.25 million feet of sorbent boom have been deployed.
 - Over 273,000 barrels of an oil-water mix have been recovered.
 - On 5/26, 7 controlled burns were conducted. A cumulative total of 74 controlled burns have been conducted.
 - On 5/26, BP began Top Kill operations.
 - On 5/26, over 600 personnel performed cleaning operations in 8 impacted shoreline areas.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/26 (gal.)	CUMULATIVE TOTALS as of 5/26 (gal.)
Surface	1,029	706,817
Subsurface	11,110	155,436

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/26, the EPA Data Management Unit worked with BP to develop a process for managing BP SCAT, sampling, and analytical data. BP uploaded the first set of analytical data to the EPA SCRIBE database.
- On 5/26, EPA met with Louisiana Environmental Action Network (LEAN) to discuss the work being done by the Unified Command and the role of EPA in the ongoing response. EPA introduced LEAN to NOAA NRDA representatives and met with BP PIO.
- On 5/26, the EPA Data Management Unit processed 3 SMART surface dispersant sampling runs and posted the reports to the NOAA FTP Site.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/26, EPA and USCG jointly signed an addendum to the directives to BP, requiring a reduction in dispersant use.
- On 5/26, EPA discussed waste management issues concerning the oil spill response with BP. EPA plans to review the Unified Command Waste Management Plan and provide comments within the next 2 days.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;

- Boothville, LA - 29.31449 N, 89.38433 W - V03;
- Fort Jackson, LA – 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA – 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at FireStation on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- No air monitoring exceedences were noted during this reporting period.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/26
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	3	3	6
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	277	156	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three

times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.

- On 5/26, the Cocodrie Water Operations Team conducted operations in the Terrebonne, Timbalier, and Barataria Bays areas. The team traveled to the Whiskey and Timbalier Islands; however, the team did not encounter enough oil to meet the criteria established for collecting samples during the morning. Severe weather conditions within the project area forced the team to discontinue boat operations prior to locating impacted areas.
- On 5/26, the Venice water operations team collected samples from areas heavily impacted by oil near the Southeast Pass and Pass A Loutre areas. The team collected 4 water samples from locations west of Venice, LA. Additionally, 1 oil sample was collected.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/26
Venice	5	0	5
Chalmette	0	0	0
TOTAL TO DATE	144	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/26, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern LA from the Stennis Space Center to Port Fourchon, LA and Grand Isle, LA. All observed OD-00 and OD-27 indicator compounds were associated with a point source.
- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/27 in Southern LA from Slidell, LA to Hopedale, LA and Delacroix, LA. EPA Region 6 personnel and members of non-governmental environmental organizations are also traveling with the TAGA.

2.6 ASPECT

- On 5/26, ASPECT documented oil on the beaches of Grand Isle and reported that oil appeared heavier at the western end of the island. Cleanup crews were working in the Grand Isle area. ASPECT also reported oil on the beaches of Elmers Island, East Timbalier Island, and the Grand Terre Islands. ASPECT noted heavy oil approximately 80 miles south west of

Chalmette, LA. ASPECT passed all of this information to the EPA Incident Commander for operational planning.

- On 5/26, ASPECT collected data on emissions from a controlled burn. The data is currently being evaluated.
- On 5/26, ASPECT noted that after the BP siphon ship moved away from the rig area, mudding fluids from the attempted sealing operations were visible at the surface.
- On 5/27, ASPECT reported the presence of oil on water approximately 10 miles south of Long Beach, LA. ASPECT also reported oil on shore and on water at approximately 10 miles west of Venice, LA and on the western shore of East Bay.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

[illegible]

- OSC	3			1		3	1		8
- RSC	5		1	1					7
- PIO			3						3
- Other	3		2	1	1				7
START	5					13	15		33
ERT Contractor									
TAGA Personnel								5	5
ASPECT Personnel								4	4
Other									
TOTALS	16		6	3	1	16	16	9	67

Deployed Equipment

[illegible]

20 KW Generator						1		1
Dually Truck (R7)					1			1
Boat (R7)					1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Est. Personnel Cost	Est. Travel Cost	Est. Contracts/Purchase Spent	Total Est. Cost/Spent	Total Contract/Purchase Oblig.	Total USCG PRFA Ceiling	Balance	Est. Daily Burn Rate	Days left
USCG PRFA FPN N10036	\$367,942	\$177,705	\$3,003,195	\$3,548,842	\$3,718,712	\$4,577,819	\$1,028,977	\$166,174	6
TOTAL EPA FUNDED	\$367,942	\$177,705	\$3,003,195	\$3,548,842	\$3,718,712	\$4,577,819	\$1,028,977	\$166,174	6
Region 6 Indirect Rate 13.12%						\$600,610			
Louisiana Total	\$367,942	\$177,705	\$3,003,195	\$3,548,842	\$3,718,712	\$5,178,429	\$1,028,977	\$166,174	6

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Terry Meyer <terry@awra.org>
To: Kenneth Teague/R6/USEPA/US@EPA

Date: 05/27/2010 02:26 PM
Subject: AWRA Connections - News from American Water Resources Association

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[2010 AWRA Summer Specialty Conference Info](#)

Connections

The E-Newsletter of the
American Water Resources Association
Keeping You Connected
May 2010

Membership Status: Nonmember *
Member/Record #: 40442

Dear Ken ,

*We're pumpin' out petrol, no matter what cost
And now that eleven men's lives have been lost
The price is as high as rig workers can pay-
Payin' the price for the U.S. of A.
A deepwater rig called Horizon went down,
No way to seal off its pipe has been found;
So south Louisianans all wait for to see
Just what the landfall of this spill will be. . .*

*People, oil, an' it's oil,
Creepin' in the sea,
Don't buy it at the station,
You can get it now for free,
Just come on down to the shoreline
Where the water used to be.*

Steve Forbert

[2010 AWRA Annual Water Resources Conference Info](#)

[Think JAWRA First](#)

[NEW! AWRA Career Center](#)

[Water Resources Info](#)

[Non-AWRA Calls for Abstracts](#)

The Media of Water

Stories of general interest about water and water issues in the media.

[AWRA Water Blog](#)

Always something new on the AWRA Water Blog.

[Deepwater Horizon Oil Spill](#)

EarthPortal's continuously updated article on the ongoing oil spill with supplementary reading, relevant links, and related news.

[Satellite Images of Oil Spill](#)

For our GIS water resources folks.

[Closer-Up Images of the Oil Spill](#)

Images of the impact of the oil spill compiled by HuffingtonPost.com

[Fish & Wildlife Service Oil Spill Response](#)

Follow the efforts of the US Fish & Wildlife Service.

Have you seen something in the news that we should share? [Email](#) me the link.

More than
40,000 Visits So

"The Oil Song" updated version ([listen to the whole track here](#))

I don't know about you, but it has been really hard for me to watch the real-life, real-time disaster unfolding in the gulf. Regular readers of this newsletter know that I love my movies! If this were a disaster movie I would tell the directors "enough plot twists already ... get to the happy ending!" At this point, though, a happy ending seems unattainable. I can't remember where I heard it, but whoever said it got it right (I'm paraphrasing here) ... The science that allows us to drill in deep ocean far surpasses the science that enables us to clean up a worst-case scenario.

Perhaps interest in the science of "cleaning-up" will increase. Once again, AWRA members will be at the forefront as they mobilize their huge and multidisciplinary brains to minimize the impact on the entire aquatic ecosystem in the Gulf. I hope and expect we'll see an uptick in abstract submittals on this topic at future AWRA conferences.

In the meantime, if you are working on any water resources aspect of the response, please share the good news and the bad on the [AWRA Facebook page](#). I just know you guys are "on it," and that gives me hope!

At this writing, the "top-kill" appears to be working. I've got my fingers crossed it continues to slow, and eventually stops, the leak ...

Terry Meyer
AWRA

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** Former Members, Nonmembers, and Unrenewed Members can easily rectify their membership situation [here](#).*

Far This Year
Check Out AWRA's
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Are you taking advantage of AWRA's "low-hanging fruit" opportunity to keep your company in front of water resources professionals?

AWRA Associate Members, conference sponsors and exhibitors are featured in AWRA's new **Virtual Exhibit Hall**. One of the many membership benefits of AWRA's Associate membership category is visible presence on the AWRA website and an extensive listing in the AWRA Virtual Exhibit Hall. If your company would like to be included in the AWRA Virtual Exhibit Hall, information is [here](#).

Visitors can ramble the virtual halls of the exhibit hall without leaving the comfort of their homes or offices! Use the alphabetical listing, or do a keyword search to find what you need.

AWRA Member News

You can still Renew for 2010:

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or

[Renew Online](#)

or

[Request an Email Invoice](#)

Preliminary Program Coming Soon!

2010 AWRA Summer Specialty Conference
International Specialty Conference & Eighth Caribbean Islands
Water Resources Congress on Tropical Hydrology &
Sustainable Water Resources

in a Changing Climate

San Juan, Puerto Rico | August 30 - September 1, 2010

An AWRA Specialty Conference on tropical hydrology was last held in 1998, and it's time to focus our attention on this important issue once again. This conference on **Tropical Hydrology & Sustainable Water Resources in a Changing Climate** will build on previous conferences to discuss the topic in light of a changing climate. We will consider issues such as water supply, sustainable water planning, water quality, alternative water supplies, and coastal ecosystems.

The Call for Abstracts has closed, and the Program Committee is putting the finishing touches on the conference program. The Preliminary Program will be posted shortly. In the meantime, general conference info, hotel & travel info, registration info, exhibit & sponsorship information is available at the links provided here:

CONFERENCE LINKS

[Conference Info](#)
[Registration Info](#)
[AWRA Home](#)

**Wiley-Blackwell Extends Discount Offer to
AWRA Members**

In addition to the recently announced 25% discount on all of their entire catalog of products, Wiley-Blackwell is now offering a **30% discount on dozens of water resources titles** and products. To take advantage of either of these discounts:

first, [login](#)
and grab the appropriate discount code, then go visit:

[for 30% off Wiley-Blackwell water resources titles](#)

[for 25% off the rest of the Wiley-Blackwell catalog](#)

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AWRA State Section Activities
[Calendar of AWRA State Section Events](#)

[Florida State Section](#)
Upcoming Meetings
(click on the link for info on all following meetings)

Casa Marina Resort
Key West, FL
July 15-16, 2010

[Questions](#)

[Sponsor Info](#) | [Exhibitor Info](#)

Preliminary Program Coming Soon!

The Conference Program Committee will meet soon to create the Preliminary Program from the hundreds of abstracts we received in response to the Call for Abstracts.

In the meantime, you can still register for the conference, reserve a booth, become a sponsor, check out the new networking programs the committee is introducing at this conference, and sign up to be a Mentor to those who are new-to-water-resources and/or new-to-AWRA-conferences.

[2010 AWRA Annual Water Resources Conference](#)

Loews Philadelphia Hotel * Philadelphia, PA

November 1-4, 2010

Mark your calendar (*and add it to your 2010 budget*)!

CONFERENCE LINKS

[Registration Info](#)

[Hotel & Travel Info](#)

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Riverside Hotel
Ft. Lauderdale, FL
September 24, 2010

Florida Gulf Coast University
Ft. Myers, FL
November 19, 2010

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Water Resources Information

Micropollutants Clearinghouse

The Micropollutants Clearinghouse is a project of the Texas Tech Center for Water Law

legal, regulatory, institutional, policy and related scientific aspects of pharmaceuticals, personal care products and other micropollutants in freshwater systems. It contains a robust catalogue of documents, reports, information, analyses, articles and other materials as well as a detailed abstract for nearly every item. Moreover, it is fully searchable in multiple search engines and on numerous criteria making it a valuable research tool for legislators, policy-makers, and academic researchers, as well as the general public. The long-term objective of the project is to build on the existing knowledge-base of information and to continue expanding the contents available in the Clearinghouse on this important topic. This information is critical for developing and evaluating water laws, regulatory actions, and policies relevant to the presence and fate of micropollutants in freshwater systems.

-

The Watershed Treatment Model - A TMDL & MS4 Tracking Tool

Wednesday, June 16, 12-2pm Eastern

With existing and impending TMDLs in many communities across the country, and increasing mandates for MS4 accountability, there is an acute need for tools to help communities account for actions and practices to meet watershed goals and regulatory requirements. This session will discuss the accounting needed for these programs, and illustrate a Center-developed tool. The spreadsheet-based "Watershed Treatment Model" will be presented and attendees will be provided with this resource that can be adapted to suit the needs of their community.

OSTP Citizen Engagement

The White House Office of Science and Technology Policy (OSTP)-along with 20 federal agencies-has launched an online public discussion forum to solicit public input with the goal of helping OSTP improve its effectiveness. We ask you to reach out to your membership and invite them to tell OSTP how it can be more transparent, participatory, and productive.

Grey Data Project

British Geological Survey is starting an Africa "Grey Data" project to compile and make available ground water reports from thousands of old studies. The Grey Data Project will catalogue and describe at least 2000 important grey items on groundwater in the southern African region held at BGS, in the process compiling a digital 'metadatabase' or catalogue describing what has been produced over the years. The project will also digitise at least 500 of these items and make them available, together with the metadatabase, via a web portal to interested researchers, service providers and policy-makers."

NRCS Extends Sign-Up for CSP

NRCS has announced a second sign-up period for the Conservation Stewardship Program, known as "CSP." The program evaluates the environmental value and impact of already-established conservation practices AND helps producers, landowners, and forested land operators incorporate and add new solutions as well. Eligible participants receive incentive payments relative to benefits their conservation operations provide. However, the turn-around time for landowners and producers to get signed up for CSP this year is short-June 11, 2010. It is critical that potential applicants make contact with local NRCS offices and get signed up for the program before the deadline. If you are a potential applicant for this program or you know someone who deserves to be recognized and compensated for a long-term commitment to conservation and natural resource protection, get in touch with NRCS today.

Apply now for the IWC Water Leader Scholarships!

Full and partial-tuition scholarships are now available to study International WaterCentre's (IWC) Master of Integrated Water Management (Australia). The program takes a multi-disciplinary, whole-of-water cycle approach. It is a co-badged and co-taught degree by The University of Queensland, Griffith University, Monash University and The University of Western Australia. The program equips students with the integration, leadership and managerial skills to become part of an elite group of water leaders with sustainable and holistic solutions to global water and climate change challenges. The program commences February 2011 and can be completed in 12 or 18 months full-time or 3 years in part-time/distance study mode.

- Full scholarships - AU\$39,960 and Overseas Student Health Cover

- Partial scholarships
- Scholarships open May 1 - August 1

Non-AWRA Calls for Abstracts

Human Right to Water in the West

Willamette University | Salem, OR

February 3 -5, 2011

Submit Abstracts by: June 1, 2010

FMA Annual Conference & ASFPM Arid Regions Symposium

November 2-5, 2010 Loews Resort

Henderson, Nevada

Submit Presentations by: June 4, 2010

2010 North American Geology in the 21st Century:

Today and Tomorrow Conference

Royal Plaza Hotel | Lake Buena Vista, FL

September 11-15, 2010

Submit Abstracts by: June 15, 2010

21st Annual International Conference on Soils, Sediments, Water, and Energy and AEHS Foundation Annual Meeting

Marriott Mission Valley * San Diego, CA

March 14-17, 2011

AEHS Foundation Annual Meeting

Marriott Mission Valley * San Diego, CA
March 14-17, 2011

Submit Abstracts by: July 9, 2010

	Other Water Resources Conferences
--	--

Water Matters! Global Water Conference

David L. Lawrence Convention Center | Pittsburgh, PA
June 3, 2010

River Restoration: Fluvial-Geomorphic and Ecological Processes

Institut Beaumont * Lyon/Provence, France
June 7-11, 2010

Toward Sustainable Groundwater in Agriculture

Hyatt Regency Hotel at the San Francisco Airport | Burlingame, CA
June 15-17, 2010

2010 CWRA Annual Conference

Information, Infrastructure & Environment: What is Our Water Legacy
Vancouver, BC, Canada
June 15 -18, 2010

2010 Stream Restoration Short Courses

Part I: "Stream Restoration Principles"
Swaner Eco Center | Park City, UT
July 12-16, 2010

2010 Stream Restoration Short Courses

Part II: "Geomorphology and Sediment Transport in Channel Design"
Swaner Eco Center | Park City, UT
August 9-13, 2010

Watershed 2010 Management Conference

Madison, WI
August 23-27, 2010

2010 IMWA Conference: "Mine Water & Innovative Thinking"

Cape Breton University | Sydney, Nova Scotia, Canada
September 5 - 9, 2010

140th American Fisheries Society Annual Meeting

David L. Lawrence Convention Center | Pittsburgh, PA
September 12-16, 2010

3rd Annual National Dam Security Forum

Washington State Convention & Trade Center | Seattle, WA
September 19-23, 2010

Wild Trout X: "Conserving Wild Trout"

Holiday Inn * West Yellowstone, MT
September 28-30, 2010

26th Annual International Conference on

Soils, Sediments, Water and Energy

University of Massachusetts at Amherst | Amherst, MA
October 18-21, 2010

International Water Conference
San Antonio, TX
October 24- 28, 2010

Fifth National Conference on Coastal and Estuarine Habitat Restoration
Galveston Island Convention Center | Galveston Island, Texas
November 13-17, 2010

TMDL 2010: Watershed Management to Improve Water Quality
The Hyatt Regency Baltimore on the Inner Harbor * Baltimore, MD
November 14-17, 2010

International Conference on Transboundary Aquifers: Challenges and New Directions
UNESCO * Paris, France
December 6-8, 2010

AWRA sends this e-newsletter of interesting news and information about water resources to members of the American Water Resources Association and others interested in the activities of AWRA. Connections is a free service of AWRA designed to build community and stimulate discussion and awareness. Please send any comments or news items to [Terry Meyer](mailto:Terry.Meyer@awra.org). AWRA does not share its email list with any individual or non-AWRA organization, ever.

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American Water Resources Association | PO Box 1626 | 4 West Federal St | Middleburg | VA | 20118-1626

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Karen McCormick/R6/USEPA/US
o

m:

To Flores.Miguel@epamail.epa.gov, Honker.William@epamail.epa.gov
:

Cc R6 6WQ-EC, "Jane Watson" <watson.jane@epa.gov>, Howell.Charlie@epamail.epa.gov, Crocker.Philip@epamail.epa.gov, "Laura Hunt" <Hunt.Laura@epamail.epa.gov>, "Mike
: Schaub" <Schaub.Mike@epamail.epa.gov>, "Mark Stead" <Stead.Mark@epamail.epa.gov>, "Laura Hunt" <Hunt.Laura@epamail.epa.gov>, "Melinda McCoy"
<McCoy.Melinda@epamail.epa.gov>

Da 05/27/2010 04:06 PM
te:

Su Fw: R4 Deepwater Horizon SitRep #31
bje
ct:

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Brian Thames

Sent: 05/27/2010 04:50 PM EDT

To: R4 Deep Water Sit Rep; R4DeepWater

Subject: R4 Deepwater Horizon SitRep #31

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Charlie Howell/R6/USEPA/US@EPA
Date: 05/27/2010 04:20 PM
Subject: Re: FOIA Request - Please read and reply immediately - affirmative or negative

Negative.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr Charlie Howell/R6/USEPA/US
o
m:

To Jane Watson/R6/USEPA/US@EPA, Maria Moreno/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica
: Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Barbara
Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA,
Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul
Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Jeanene
Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA,
Sharon Parrish/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Beverly
Ethridge/R6/USEPA/US@EPA, Bobby Hernandez/R6/USEPA/US@EPA, Brad Lamb/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Diane Evans/R6/USEPA/US@EPA,
Emily Brokaw/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Mike Bira/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Randall Rush/R6/USEPA/US@EPA,
Renee Bellow/R6/USEPA/US@EPA, Russell Nelson/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA

Da 05/27/2010 01:09 PM
te:

Su FOIA Request - Please read and reply immediately - affirmative or negative

bje

ct:

We have received a request for copies of all e-mail exchanges between Region 6 staff and the Congressional Office of U.S. Reps. Harry Teague and Silvestre Reyes in 2009 and 2010.

Please let me know immediately, if you are aware of any such communications between yourself and/or your coworkers.

Charlie Howell
EPA Region 6
Water Monitoring and Assessment Section (6WQ-EA)
1445 Ross Avenue
Dallas TX 75202

(214) 665-8354 Office
howell.charlie@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 05/27/2010 04:55 PM
Subject: Re: TE-53 Demo

Ken - it is okay..... unfortunately this oil spill changes minute by minute and it is hard to keep up with all the issues. The one thing that is good---at least everyone's talking!

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Kenneth Teague

Sent: 05/27/2010 04:35 PM CDT

To: Brad Crawford; Paul Kaspar; Karen McCormick

Subject: TE-53 Demo

I just wanted to retract my comments from this morning suggesting that maybe Brad Miller hasn't had time to work on TE-53. Mark Hester was very complimentary to Brad that he seemed to be working through all the issues. I guess for some reason I wasn't in the loop.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov, schaub.mike@epa.gov
Date: 05/27/2010 04:56 PM
Subject: Fw: IMPORTANT: Question from the Administrator's office

Any insights?

----- Original Message -----

From: Miguel Flores

Sent: 05/27/2010 05:09 PM EDT

To: Charlie Howell; Philip Crocker; Jane Watson

Cc: William Honker

Subject: Fw: IMPORTANT: Question from the Administrator's office

FYI...What does Rabalais use? I thought she had some permanent buoys out there but don't know what she's measuring.

Miguel Flores, Director
Water Quality Protection Div
EPA Region 6
214-665-7101 (w)
214-789-1818 (c)

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Myron Knudson

Sent: 05/27/2010 02:09 PM EDT

To: "Miguel Flores" <flores.miguel@epa.gov>; "William Honker" <honker.william@epa.gov>

Subject: Fw: IMPORTANT: Question from the Administrator's office

Know of any?

----- Original Message -----

From: Adrea Mehl

Sent: 05/27/2010 01:17 PM EDT

To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov; groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov; wesolowski.dennis@epa.gov; zar.howard@epa.gov; palmer.michele@epa.gov; kovalick.walter@epa.gov; hagel.bill@epa.gov; landy.ronald@epa.gov; bellina.andrew@epa.gov; oshea.marie@epa.gov; barich.john@epa.gov;

theroux.maggie@epa.gov; guillemin.robert@epa.gov; josephs.jon@epa.gov; miller.latoya@epa.gov; Teresa Harten;
Eric Koglin; Cheryl Overstreet

Cc: Sally Gutierrez; Minerva Rojo

Subject: IMPORTANT: Question from the Administrator's office

Hello all,

Minnie Rojo has asked me to forward the following question from the Administrator's office:

"We have heard about a water quality monitoring device that looks like a small buoy that collects water quality data in less than two hours. Are there any monitors that provide fast and cheap water quality measurements of the most important pollutants relatively quickly?"

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Thank you,
adrea

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Adrea Mehl, Ph.D.

AAAS Science and Technology Policy Fellow

US Environmental Protection Agency
Office of the Science Advisor (8105R)
1200 Pennsylvania Ave., Washington, DC 20460
202-564-2293

mehl.adrea@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Cc: schaub.mike@epa.gov, teague.kenneth@epa.gov
Date: 05/27/2010 05:08 PM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

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EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov, schaub.mike@epa.gov
Date: 05/27/2010 04:56 PM
Subject: Fw: IMPORTANT: Question from the Administrator's office

Any insights?

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From: Miguel Flores

Sent: 05/27/2010 05:09 PM EDT

To: Charlie Howell; Philip Crocker; Jane Watson

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Miguel Flores, Director
Water Quality Protection Div
EPA Region 6
214-665-7101 (w)
214-789-1818 (c)

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Myron Knudson

Sent: 05/27/2010 02:09 PM EDT

To: "Miguel Flores" <flores.miguel@epa.gov>; "William Honker" <honker.william@epa.gov>

Subject: Fw: IMPORTANT: Question from the Administrator's office

Know of any?

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To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov;

groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov;
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From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Date: 05/28/2010 07:55 AM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

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From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/28/2010 08:25 AM
Subject: Fw: IMPORTANT: Question from the Administrator's office

fyi

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"We have heard about a water quality monitoring device that looks like a small buoy that collects water quality data in less than two hours. Are there any monitors that provide fast and cheap water quality measurements of the most important pollutants relatively quickly?"

Please check with the folks in your Water Division to see if anyone is familiar with a technology that might match this description.

Also, please respond to me at this e-mail by 5:00 PM EDT today, 5/27.

I thank you,
adrea

=====
Adrea Mehl, Ph.D.
AAAS Science and Technology Policy Fellow

US Environmental Protection Agency
Office of the Science Advisor (8105R)
1200 Pennsylvania Ave., Washington, DC 20460
202-564-2293

mehl.adrea@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/28/2010 08:26 AM
Subject: Fw: IMPORTANT: Question from the Administrator's office

fyi

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 05/28/2010 08:25 AM -----

From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Date: 05/28/2010 07:55 AM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

I'll do a little research just to make sure there haven't been developments in electrochemical methods recently. I did forget to mention that there are now very good means of measuring currents in great detail at moored oceanographic sampling platforms- Acoustic Doppler Current Profilers (ADCP) give lots of detailed information about current speed and direction.

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From: Jane Watson/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/27/2010 05:34 PM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

Thanks, Ken

----- Original Message -----

From: Kenneth Teague

Sent: 05/27/2010 05:08 PM CDT

To: Jane Watson

Cc: schaub.mike@epa.gov; teague.kenneth@epa.gov

Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

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From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov, schaub.mike@epa.gov
Date: 05/27/2010 04:56 PM
Subject: Fw: IMPORTANT: Question from the Administrator's office

Any insights?

----- Original Message -----

From: Miguel Flores

Sent: 05/27/2010 05:09 PM EDT

To: Charlie Howell; Philip Crocker; Jane Watson

Cc: William Honker

Subject: Fw: IMPORTANT: Question from the Administrator's office

FYI...What does Rabalais use? I thought she had some permanent buoys out there but don't know what she's measuring.

Miguel Flores, Director
Water Quality Protection Div
EPA Region 6
214-665-7101 (w)
214-789-1818 (c)

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Myron Knudson

Sent: 05/27/2010 02:09 PM EDT

To: "Miguel Flores" <flores.miguel@epa.gov>; "William Honker" <honker.william@epa.gov>

Subject: Fw: IMPORTANT: Question from the Administrator's office

Know of any?

----- Original Message -----

From: Adrea Mehl

Sent: 05/27/2010 01:17 PM EDT

To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov; groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov; wesolowski.dennis@epa.gov; zar.howard@epa.gov; palmer.michele@epa.gov; kovalick.walter@epa.gov; hagel.bill@epa.gov; landy.ronald@epa.gov; bellina.andrew@epa.gov; oshea.marie@epa.gov; barich.john@epa.gov; theroux.maggie@epa.gov; guillemin.robert@epa.gov; josephs.jon@epa.gov; miller.latoya@epa.gov; Teresa Harten; Eric Koglin; Cheryl Overstreet

Cc: Sally Gutierrez; Minerva Rojo

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Sent: 05/27/2010 02:09 PM EDT

To: "Miguel Flores" <flores.miguel@epa.gov>; "William Honker" <honker.william@epa.gov>

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To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov; groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov; wesolowski.dennis@epa.gov; zar.howard@epa.gov; palmer.michele@epa.gov; kovalick.walter@epa.gov; hagel.bill@epa.gov; landy.ronald@epa.gov; bellina.andrew@epa.gov; oshea.marie@epa.gov; barich.john@epa.gov; theroux.maggie@epa.gov; guillemin.robert@epa.gov; josephs.jon@epa.gov; miller.latoya@epa.gov; Teresa Harten; Eric Koglin; Cheryl Overstreet

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From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/28/2010 12:13 PM
Subject: Emergency Berm Permit

I found a link to the permit on a comment to a news article and downloaded the permit and drawings. One of these drawings show that they may dredge borrow holes as deep as 50' below the existing bottom. Note that these areas might be within the hypoxic zone, and therefore possibly not the best idea. A 50' hole, below the existing bottom, is a very deep hole indeed. I predict if they follow through with that, new hypoxic zones will form at the borrow sites. Did EPA just approve that?

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To: Kenneth Teague/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 05/28/2010 12:17 PM
Subject: Re: Emergency Berm Permit

We recommended to the Corps that EPA have an opportunity to review borrow plans before dredging. I do not think that condition was included but will check.

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Sent: 05/28/2010 12:13 PM CDT
To: John Ettinger; Karen McCormick
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Ken,

See conditions 10, 11, and 31 which to some extent discuss borrow sites and approval of such. It appears that we will have opportunities to weigh in as this moves along.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

-----Kenneth Teague/R6/USEPA/US wrote: -----

To: John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
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To: John Ettinger/R6/USEPA/US@EPA
Date: 05/28/2010 12:56 PM
Subject: Re: Emergency Berm Permit

Good. Thanks John.

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To: Kenneth Teague/R6/USEPA/US@EPA
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To: Mark Stead/R6/USEPA/US@EPA
Date: 05/28/2010 01:07 PM
Subject: Fw: IMPORTANT: Question from the Administrator's office

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Cc: Mike Schaub/R6/USEPA/US@EPA
Date: 05/28/2010 08:23 AM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

Jane- I was headed out the door late yesterday when I initially responded. I did a little online research this am, and apparently there may be some methods that would be useful. I can't vouch for this but here is what I found so far:

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From: Adrea Mehl

Sent: 05/27/2010 01:17 PM EDT

To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov; groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov; wesolowski.dennis@epa.gov; zar.howard@epa.gov; palmer.michele@epa.gov; kovalick.walter@epa.gov; hagel.bill@epa.gov; landy.ronald@epa.gov; bellina.andrew@epa.gov; oshea.marie@epa.gov; barich.john@epa.gov; theroux.maggie@epa.gov; guillemin.robert@epa.gov; josephs.jon@epa.gov; miller.latoya@epa.gov; Teresa Harten; Eric Koglin; Cheryl Overstreet

Cc: Sally Gutierrez; Minerva Rojo

Subject: IMPORTANT: Question from the Administrator's office

Hello all,

Minnie Rojo has asked me to forward the following question from the Administrator's office:

"We have heard about a water quality monitoring device that looks like a small buoy that collects water quality data in less than two hours. Are there any monitors that provide fast and cheap water quality measurements of the most important pollutants relatively quickly?"

Please check with the folks in your Water Division to see if anyone is familiar with a technology that might match this description.

Also, please respond to me at this e-mail by 5:00 PM EDT today, 5/27.

Thank you,
adrea

=====
Adrea Mehl, Ph.D.

AAAS Science and Technology Policy Fellow

US Environmental Protection Agency

Office of the Science Advisor (8105R)
1200 Pennsylvania Ave., Washington, DC 20460
202-564-2293

mehl.adrea@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA
Date: 05/28/2010 01:12 PM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Jane Watson/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 05/27/2010 05:34 PM
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

Thanks, Ken

----- Original Message -----

From: Kenneth Teague
Sent: 05/27/2010 05:08 PM CDT
To: Jane Watson
Cc: schaub.mike@epa.gov; teague.kenneth@epa.gov
Subject: Re: Fw: IMPORTANT: Question from the Administrator's office

Nancy Rabalais has (or had) a few permanent stations off Terrebonne, but I'm pretty sure these were outfitted to measure very simple standard oceanographic parameters- temperature, conductivity, salinity, and possibly dissolved oxygen. I doubt they included much else. Fouling is a big problem, so that some probes can't make reliable measurements over more than a few days without maintenance. During an oil spill this problem would be compounded. I doubt there are electrochemical methods (probes) that will measure the kinds of things you're most interested in during an oil spill in the ocean, other than the simple standard oceanographic measurements.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov, schaub.mike@epa.gov
Date: 05/27/2010 04:56 PM
Subject: Fw: IMPORTANT: Question from the Administrator's office

Any insights?

----- Original Message -----

From: Miguel Flores
Sent: 05/27/2010 05:09 PM EDT
To: Charlie Howell; Philip Crocker; Jane Watson
Cc: William Honker
Subject: Fw: IMPORTANT: Question from the Administrator's office

FYI...What does Rabalais use? I thought she had some permanent buoys out there but don't know what she's measuring.

Miguel Flores, Director
Water Quality Protection Div
EPA Region 6
214-665-7101 (w)
214-789-1818 (c)

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Myron Knudson
Sent: 05/27/2010 02:09 PM EDT
To: "Miguel Flores" <flores.miguel@epa.gov>; "William Honker" <honker.william@epa.gov>

Subject: Fw: IMPORTANT: Question from the Administrator's office
Know of any?

----- Original Message -----

From: Adrea Mehl

Sent: 05/27/2010 01:17 PM EDT

To: bettencourt.brenda@epa.gov; gill.michael@epa.gov; graham.kathleen@epa.gov; lovely.william@epa.gov; groskinsky.brenda@epa.gov; hatch.sarah@epa.gov; knudson.myron@epa.gov; burton.terry@epa.gov; wesolowski.dennis@epa.gov; zar.howard@epa.gov; palmer.michele@epa.gov; kovalick.walter@epa.gov; hagel.bill@epa.gov; landy.ronald@epa.gov; bellina.andrew@epa.gov; oshea.marie@epa.gov; barich.john@epa.gov; theroux.maggie@epa.gov; guillemin.robert@epa.gov; josephs.jon@epa.gov; miller.latoya@epa.gov; Teresa Harten; Eric Koglin; Cheryl Overstreet

Cc: Sally Gutierrez; Minerva Rojo

Subject: IMPORTANT: Question from the Administrator's office

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"We have heard about a water quality monitoring device that looks like a small buoy that collects water quality data in less than two hours. Are there any monitors that provide fast and cheap water quality measurements of the most important pollutants relatively quickly?"

Please check with the folks in your Water Division to see if anyone is familiar with a technology that might match this description.

Also, please respond to me at this e-mail by 5:00 PM EDT today, 5/27.

Thank you,
adrea

=====

Adrea Mehl, Ph.D.

AAAS Science and Technology Policy Fellow

US Environmental Protection Agency
Office of the Science Advisor (8105R)
1200 Pennsylvania Ave., Washington, DC 20460
202-564-2293

mehl.adrea@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F Karen McCormick/R6/USEPA/US
r
o
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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

C

C: Maria Moreno/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA

D 05/28/2010 02:36 PM
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S region 6 WQ Situation Update #21 (5-28-2010)
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Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 05/28/2010 03:00 PM
Subject: Some scientists with Louisiana marsh oil spill research experience

Some scientists with Louisiana marsh oil spill research experience

Irv Mendelssohn, LSU

imendel@lsu.edu

225-578-6425

Andy Nyman, LSU

"Andy Nyman" <jnyman@lsu.edu>

225 578-4220

Mark Hester, ULL

Dr Mark Hester <mhester@louisiana.edu>

Hester Mark W <mwh4003@louisiana.edu>

(504) 237-1151

Ron DeLaune, LSU

rdelaun@lsu.edu

225-578-6421

Also some Louisiana scientists with excellent general wetland plant expertise:

Jenneke Visser, ULL
Dr. Jenneke M. Visser <jvisser@louisiana.edu>
337.482.6966

Charles Sasser, LSU
"Charles E Sasser" <csasser@lsu.edu>

225 578 6375

Some non-Louisiana scientists with marsh/oil spill experience:

Jim Webb, retired, TAMU-Galveston
Steve Alexander

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US
To:
Subject:

To: Jane Watson/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, R6 DWH
: EOC Water Desk@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Laura
Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, R6 6WQ-EC

Date: 05/28/2010 03:08 PM
Subject:

Su Fw: Deepwater Horizon Incident Situation Report 5-28-10
bje
ct:

FYI

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 05/28/2010 03:06 PM -----

From: Matthew Loesel/R6/USEPA/US

To: Al Armendariz/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Ben Harrison/R6/USEPA/US@EPA, Betty Brousseau <Betty.Brousseau@LA.GOV>, Betty Williamson/R6/USEPA/US@EPA, bhattacharya.dipanjana@epa.gov, Carl Edlund/R6/USEPA/US@EPA, Carmen Assunto/R6/USEPA/US@EPA, Chad Nitsch/DC/USEPA/US@EPA, Charles Faultry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Cynthia Fanning/R6/USEPA/US@EPA, Dana Tulis/DC/USEPA/US@EPA, Daniel Odem <Daniel.Odem@LA.GOV>, daniel.odem@la.gov, Dave Mickunas/RTP/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA, David Bary/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA, David Neleigh/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debbie Dietrich/DC/USEPA/US@EPA, Deborah Ponder/R6/USEPA/US@EPA, Diane Taheri/R6/USEPA/US@EPA, Edwin Quinones/R6/USEPA/US@EPA, elizabeth.doomes@westonsolutions.com, Eric Delgado/R6/USEPA/US@EPA, Eric Paisley/R6/USEPA/US@EPA, Eugene Lee/DC/USEPA/US@EPA, Gary Miller/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, Ivan Vikin/R6/USEPA/US@EPA, James Staves/R6/USEPA/US@EPA, Janie Acevedo/R6/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, jeff.meyers@la.gov, Jeffrey Clark/RTP/USEPA/US@EPA, Joe Schaefer/ERT/R2/USEPA/US@EPA, John Blevins/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Buchholz/R7/USEPA/US@EPA, Kevin Mould/DC/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Lawrence Starfield/R6/USEPA/US@EPA, Lindsay.maloan@la.gov, Lisa Boynton/DC/USEPA/US@EPA, Lourdes.Iturralde@LA.GOV, Lynda Carroll/R6/USEPA/US@EPA, Maria Martinez/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Markj Thomas/R7/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matt Taylor/R4/USEPA/US@EPA, michele.laur@wdc.usda.gov, Miguel Flores/R6/USEPA/US@EPA, Mike McAteer/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Myron Knudson/R6/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Nicolas Brescia/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Pam Phillips/R6/USEPA/US@EPA, Patrick Young/R6/USEPA/US@EPA, Paulette Johnsey/R6/USEPA/US@EPA, peggy.hatch@la.gov, R6 DWH REOC PSC@EPA, Adam Adams/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Brandi Todd/R6/USEPA/US@EPA, Chris Perry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Christopher Ruhl/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Donaldp Smith/R6/USEPA/US@EPA, Eric Delgado/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Greg Fife/R6/USEPA/US@EPA, James Staves/R6/USEPA/US@EPA, Jhana Enders/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, Jon

Rinehart/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark Hayes/R6/USEPA/US@EPA, Mike McAteer/R6/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Nicolas Brescia/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Rita Engblom/R6/USEPA/US@EPA, Roberto Bernier/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Steve Mason/R6/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Warren Zehner/R6/USEPA/US@EPA, William Rhotenberry/R6/USEPA/US@EPA, Richard Mayer/R6/USEPA/US@EPA, Richard Wayland/RTP/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Sam Becker/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA, Scott Hayes/R7/USEPA/US@EPA, Shane Hitchcock/R4/USEPA/US@EPA, Sherry Fielding/DC/USEPA/US@EPA, Stephen Gilrein/R6/USEPA/US@EPA, Steve Mason/R6/USEPA/US@EPA, Steve Page/RTP/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Suzanne Murray/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Timothy Curry/R7/USEPA/US@EPA, Vernon Jackson/R6/USEPA/US@EPA, Warren Zehner/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Luthans/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA, Philip Turner/R6/USEPA/US@EPA, Christopher Ruhl/R6/USEPA/US@EPA, EOC Situation Unit@EPA, Valmichael Leos/R6/USEPA/US@EPA, Michele Conlon/RTP/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Janie Acevedo/R6/USEPA/US@EPA, Iantha Maness/OIG/USEPA/US@EPA, Craig Clinton/R5/USEPA/US@EPA, Jean Bloom/R1/USEPA/US@EPA, Edwin Debiew/R6/USEPA/US@EPA

Date: 05/28/2010 02:47 PM

Subject: Deepwater Horizon Incident Situation Report 5-28-10

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: Region 6 Update # 31
Deepwater Horizon Incident, Gulf of Mexico

Date: May 28, 2010

To: Incident Command

Thru: Planning Section

From: Situation Unit

Operational Period: May 28, 2010 0700 – May 31, 2010 0700

Reporting Period: May 27, 2010 1300 – May 28, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident

FPN#: N10036

Mobilization Date: 4/27/2010

Start Date: 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/28:
 - 16,441 personnel and 1,301 offshore vessels are currently responding to the incident.
 - Over 1.81 million feet of containment boom and 1.50 million feet of sorbent boom have been deployed.
 - Over 280,000 barrels of an oil-water mix have been recovered.
 - On 5/27, 13 controlled burns were conducted. A cumulative total of 87 controlled burns have been conducted.
 - On 5/27, BP continued Top Kill operations.
 - On 5/28, BP plans to continue subsurface dispersant injection.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/27 (gal.)	CUMULATIVE TOTALS as of 5/27 (gal.)
Surface	200	707,017
Subsurface	14,400	169,836

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/27, the EPA Data Management Unit processed data for three SMART reports and posted them to NOAA FTP Site.
- The EPA Region 6 Regional Administrator will be in Houma on 5/28 for a meeting with BP concerning waste management.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/27, EPA attended the second day of a meeting entitled “Deepwater Horizon Dispersant Use” hosted by the Coastal Response Research Center (CRRC) in Baton Rouge, LA.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA – 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA – 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at FireStation on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
 - The Chalmette air team collected 2 Suma canisters from the Fourchon and Grand Isle area. Another set of canisters were placed, the first is located on Grand Isle, LA at the Grand Isle State Park on the eastern end of the island; the second is located at Fourchon Beach, Fourchon, LA
- No air monitoring exceedences were noted during this reporting period.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/27
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	5	3	8

TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	285	162	
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*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - The Cocodrie Water Operations Team conducted operations in the Terrebonne, Timbalier, and Barataria Bays areas. On 5/27, the team collected three water samples and one oil sample from locations in this area.
 - On 5/27, the Venice Water Operations Team collected samples from areas heavily impacted by oil near the Southeast Pass and Pass A Loutre areas. The team collected 7 water samples and 2 oil samples from locations along the shoreline west of Venice, LA.
 - On 5/28, the Venice Water Operations Team will divide into two separate teams. Water Sampling Team 1 will focus on areas heavily impacted by oil near the South Pass and Pass A Loutre areas, and continue reconnaissance for more oil impacted areas. Water Sampling team 2 will focus on heavily impacted oil areas near Chandeleur Island.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/27
Venice	9	0	5
Chalmette	4	0	0
TOTAL TO DATE	157	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/27, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern LA from the Stennis Space Center to Hopedale, LA. All observed OD-00 and OD-27 indicator compounds were associated with a point source. EPA Region 6 personnel and members of non-governmental environmental organizations also traveled with the TAGA.

- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/28 in Southern MS and AL from the Stennis Space Center to Dauphin Island, AL.

2.6 ASPECT

- On 5/27, ASPECT reported the presence of oil on water approximately 10 miles south of Long Beach, LA. ASPECT also reported oil on shorelines and on water approximately 10 miles west of Venice, LA, on the western shore of East Bay, and on the west central side of East Bay
- On 5/27, ASPECT noted that no drilling mud was visible near the rig location.
- On 5/28, ASPECT noted heavy oil approximately 50 miles ESE of Venice, LA. ASPECT also noted drilling mud visible at the surface near the rig.
- On 5/28, ASPECT is grounded for routine maintenance.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

[illegible]

ASPECT Personnel								4	4
Other									
TOTALS	16		6	3	1	16	16	9	67

Deployed Equipment

Equipment	Dallas, TX		Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Slidell, LA	TOTALS
Mobile Command Post							1		1
ASPECT								1	1
TAGA Bus								1	1
LRV			1			1			2
Gooseneck Trailer							1		1
20 KW Generator							1		1
Dually Truck (R7)						1			1
Boat (R7)						1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/Purchase OBLIGATIONS.
USCG PRFA FPN N10036 \$5,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/19/10	\$4,577,819	\$380,448	\$191,881	\$3,131,647	\$3,703,976	\$873,843	\$3,719,055
TOTAL OPA FUNDED	\$4,577,819	\$380,448	\$191,881	\$3,131,647	\$3,703,976	\$873,843	\$3,719,055
Region 6 Indirect Rate 13.12%	\$600,610						
Louisiana Total	\$5,178,429	\$380,448	\$191,881	\$3,131,647	\$3,703,976	\$873,843	\$3,719,055

- Region 6 has requested an increase in the PRFA from USCG, however USCG is near the limits of their emergency funding and must request congressional approval to tap the main fund. Therefore all PRFA increase requests have been temporarily placed on hold. Region 6 is currently operating on limited funds and has evaluated several options for continued funding of field operations. Based upon current burn rates funds were reallocated between TDDs to provide at least 6 days of operations for each funding category. Additionally, remaining unobligated funds have been obligated to contracts. Region 6 is also in discussions with NPFC to redirect funds currently on the Region 6 IA to the Deepwater Horizon Response.

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: "Robert E. Magnien" <Rob.Magnien@noaa.gov>
To:
Subject:

To: Darrell Brown/DC/USEPA/US@EPA

Cc: BakerB@dnr.state.wi.us, Bryan.Hopkins@dnr.mo.gov, David.Hanselmann@dnr.state.oh.us, Dean.lemke@IowaAgriculture.gov, Ddpaleosol@aol.com, Dugan.Sabins@la.gov, Earl.Smith@arkansas.gov, Goca@gov.state.la.us, Greg.Nageotte@dnr.state.oh.us, Jared.Thornley@illinois.gov, John.Kessler@dnr.state.oh.us, John.McClurkan@state.tn.us, Ken.Brazil@arkansas.gov, lmrsbc@gmail.com, Mike.Wells@dnr.mo.gov, PTennant@orsanco.org, Richard_Ingram@deq.state.ms.us, Jerry_Cain@deq.state.ms.us, Susan.Sylvester@wisconsin.gov, Warren.Goetsch@illinois.gov, Wayne.P.Anderson@state.mn.us, msbelanc@aol.com, Alan.Lewitus@noaa.gov, Arnab.Raychaudhuri@us.army.mil, Brenda_Moraska_Lafrancois@nps.gov, Carl.Lucero@usda.gov, Dan.Jaynes@ars.usda.gov, David.A.Vigh@usace.army.mil, David.Kidwell@noaa.gov, David.M.Soballe@usace.army.mil, David.Scheurer@NOAA.GOV, Denesia_Cheek@nps.gov, Doug_Fruge@fws.gov, Howard.Hankin@wdc.usda.gov, James.r.Hannon@usace.army.mil, Jaynes@nstl.gov, Jward@usgs.gov, Larry.Pugh@noaa.gov, Mark.Peters@wdc.usda.gov, Mdwoodsi@usgs.gov, Mike.Shannon@ars.usda.gov, Mribaud@ers.usda.gov, Paul.F.Wagner@us.army.mil, Richard.Swenson@wdc.usda.gov, Skip.Hyberg@wdc.usda.gov, Steven.L.Ashby@usace.army.mil, Teresa_Woods@fws.gov, Zoltan.L.Montvai@HQ02.usace.army.mil, Chris Lewicki/DC/USEPA/US@EPA, George Utting/DC/USEPA/US@EPA, Jacques Oliver/DC/USEPA/US@EPA, Jill Dean/DC/USEPA/US@EPA, Kathy Hurlid/DC/USEPA/US@EPA, Katie Flahive/DC/USEPA/US@EPA, Kellie Kubena/DC/USEPA/US@EPA, Mario Sengco/DC/USEPA/US@EPA, Michelle Schutz/DC/USEPA/US@EPA, Paula Diaz/DC/USEPA/US@EPA, Rosaura Vega/DC/USEPA/US@EPA, Samantha Fontenelle/DC/USEPA/US@EPA, Sylvia Malm/DC/USEPA/US@EPA, Steve Whitlock/DC/USEPA/US@EPA, Hazel Groman/DC/USEPA/US@EPA, Benita Best-Wong/DC/USEPA/US@EPA, Bryon Griffith/GMPO/USEPA/US@EPA, Aaron Bell/DC/USEPA/US@EPA, Brenda Groskinsky/R7/USEPA/US@EPA, Damon Frizzell/R7/USEPA/US@EPA, Ed Decker/R4/USEPA/US@EPA, William Franz/R5/USEPA/US@EPA, Gregory Colianni/DC/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen Flournoy/R7/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Larinda Tervelt/R4/USEPA/US@EPA, William Melville/R4/USEPA/US@EPA, Michael Haire/DC/USEPA/US@EPA, Phil Bass/GMPO/USEPA/US@EPA, Rick Greene/GB/USEPA/US@EPA, Troy Pierce/GMPO/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Spratlin/R7/USEPA/US@EPA, William Swietlik/DC/USEPA/US@EPA, Timothy Henry/R5/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Joe Piotrowski/R3/USEPA/US@EPA, Aaron Kornbluth/DC/USEPA/US@EPA, Jessica Spence/DC/USEPA/US@EPA, "Mosso, Dacia" <Dacia.Mosso@tetrattech.com>, gms.inc@att.net

Date: 05/28/2010 04:40 PM
Subject:

Subject: Oil Spill - Hypoxic Zone Fact Sheet
From:
To:

Folks,
Here's a fact sheet that we put together re. the potential relationships
between the Gulf hypoxic zone and the oil spill.
Feel free to contact me if you have any questions or perspective on this
issue.
Have a great holiday weekend!
-Rob

PS - The fact sheet is also online under the "oil spill response"
section of NOAA fact sheets:
<http://www.noaa.gov/factsheets.html>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US
To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
Cc: R6 DWH EOC Water Desk@EPA
Date: 05/29/2010 01:58 AM
Subje Fw: Fw: Clarification re: Wetlands
ct:

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/29/2010 12:31 AM CDT

To: Nancy Jones

Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison

Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

From: Nancy Jones/R6/USEPA/US
To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

to: Nancy Jones

05/22/2010 06:52 PM

Cc: "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

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Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird concentration areas.

- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)
- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,

Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [<mailto:Jones.Nancy@epamail.epa.gov>]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 08:52 PM EDT

To: "Sam Coleman" <Coleman.Sam@epa.gov>

Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>

Subject: Fw: Clarification re: Wetlands

Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison

Sent: 05/21/2010 01:50 PM CDT

To: Craig Carroll

Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores; Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC Water Desk

Subject: Fw: Clarification re: Wetlands

Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and

Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and Region 4.

There are mechanisms already in place within Unified Command to address natural resource impacts and many agencies in Unified Command are working on this. At this point, the attached EPA documents describe the situation and potential impacts very well. Please forward to Unified Command to be incorporated into the planning section.

Unified Command is welcome to incorporate these documents into their Area Contingency Plan or use in any way they see fit.

Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage

ourselves within the operations Unified Command. Unfortunately, these are response actions that should already being addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands

:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands
cleanup to provide guidance re: standards/best practices for wetlands
re mediation. Paul - please add

re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See attached file: Qs and As for Ecological Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 05/29/2010 09:14 AM
Subject: Governor's sand barrier project smelling more rank than ever

Folks-

I interrupt your Memorial Day weekend to call your attention to this mini-post on the *sandy Band-aid* or *Dutch Dune* project.

Have a great and safe holiday!

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Barbara Keeler/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, R6 DWH EOC Water Desk@EPA
Date: 05/29/2010 11:08 AM
Subject: Re: Fw: Fw: Clarification re: Wetlands
ct:

Karen, we saw this info. a few days ago. I don't think we need to comment further at this point, just prior to the marsh remediation tech group meeting. Note, however, that they cited our ecological impacts analysis. I've seen it cited many times, so I guess it was worth the total rush job to get it out overnight that weekend!

-----Karen McCormick/R6/USEPA/US wrote: -----

To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
From: Karen McCormick/R6/USEPA/US
Date: 05/29/2010 01:58AM
Cc: R6 DWH EOC Water Desk@EPA
Subject: Fw: Fw: Clarification re: Wetlands

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll
Sent: 05/29/2010 12:31 AM CDT
To: Nancy Jones
Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison
Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

Nancy Jones---05/28/2010 03:28:52 PM---see below

From: Nancy Jones/R6/USEPA/US
To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

t Nancy Jones

05/22/2010 06:52 PM

o
:

C "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

c
:

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Regards,
Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [<mailto:Jones.Nancy@epamail.epa.gov>]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll
Sent: 05/21/2010 08:52 PM EDT
To: "Sam Coleman" <Coleman.Sam@epa.gov>
Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>
Subject: Fw: Clarification re: Wetlands
Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please
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----- Original Message -----

From: Dawn Ison
Sent: 05/21/2010 01:50 PM CDT
To: Craig Carroll

To: Craig Carroll
Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores;
Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC
Water Desk
Subject: Fw: Clarification re: Wetlands
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U.S. EPA Region 6
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972-974-2075 (cell)

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Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

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EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

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To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands
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214 789-2016 (cell)
coleman.sam@epa.gov

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Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis" <Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

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ct:

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To: Barbara Keeler/R6/USEPA/US@EPA

Cc: "Jane Watson" <watson.jane@epa.gov>, William Honker/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA

Date: 05/29/2010 11:15 AM

Subje Re: Fw: Fw: Clarification re: Wetlands
ct:

I agree thanks

Sent by EPA Wireless E-Mail Services

From: Barbara Keeler
Sent: 05/29/2010 11:08 AM CDT
To: Karen McCormick
Cc: "Jane Watson" <watson.jane@epa.gov>; William Honker; Kenneth Teague; R6 DWH EOC Water Desk
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Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

t Nancy Jones
o
:

05/22/2010 06:52 PM

C "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"
c
:

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

- Stage I On-water recovery of floating oil slicks in near shore waters
- Stage II: Initial cleaning of bulk oil from intertidal areas until the source is controlled
- Stage III: Removal of oil to habitat-specific cleanup endpoints once source control is achieved

Stage III shoreline response will be conducted in accordance with a separate Shoreline Response Plan which will be approved by BP, FOSC, and SOSC in Incident Command. Section 3.1 of the Shoreline Response Plan pertains to salt, brackish, intermediate and freshwater marshes. It states:

Oil may enter salt, brackish, and intermediate marshes, perhaps repeatedly until the source is controlled. The oil could be pushed into the dense roseau cane vegetation adjacent to freshwater channels. The cleanup goal in these habitats is to remove as much oil as possible using methods such as vacuuming and skimming conducted from boats. In Louisiana, high water levels in the bays during strong southeast winds typically result in oil stranding in the interior of salt to intermediate marshes. Site-specific guidance will be provided for oil removal from the interior of marshes. If feasible, low-pressure flushing may also be used to increase the effectiveness of vacuum and skimming. Heavily oiled debris should also be removed.

Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird concentration areas.
- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a

significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)

- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,
Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [<mailto:Jones.Nancy@epamail.epa.gov>]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: FW: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll
Sent: 05/21/2010 08:52 PM EDT
To: "Sam Coleman" <Coleman.Sam@epa.gov>
Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster"

<Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>

Subject: Fw: Clarification re: Wetlands

Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison

Sent: 05/21/2010 01:50 PM CDT

To: Craig Carroll

Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores;
Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC
Water Desk

Subject: Fw: Clarification re: Wetlands

Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and Region 4.

There are mechanisms already in place within Unified Command to address natural resource impacts and many agencies in Unified Command are working on this. At this point, the attached EPA documents describe the situation and potential impacts very well. Please forward to Unified Command to be incorporated into the planning section.

Unified Command is welcome to incorporate these documents into their Area Contingency Plan or use in any way they see fit.

Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison

Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage ourselves within the operations Unified Command. Unfortunately, these are response actions that should already be addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands
:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands
cleanup to provide guidance re: standards/best practices for wetlands
re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See
attached file: Qs and As for Ecological Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Doug Daigle <lmrsbc@gmail.com>
To: undisclosed-recipients;;
Date: 05/29/2010 01:29 PM
Subject: Fwd: Oil Spill - Hypoxic Zone Fact Sheet

From NOAA...

The fact sheet is also online under the "oil spill response" section of NOAA fact sheets:
<http://www.noaa.gov/factsheets.html>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US

To: Flores.Miguel@epamail.epa.gov, Honker.William@epamail.epa.gov, "Jane Watson" <watson.jane@epa.gov>, "Doug Mundrick" <Mundrick.Doug@epamail.epa.gov>, "Chris Thomas" <Thomas.Chris@epamail.epa.gov>

Cc: R6 DWH EOC Water Desk@EPA, R6 6WQ-EC, "EOC_Water@epamail.epa.gov" <EOC_Water@epamail.epa.gov>

Date: 05/29/2010 03:35 PM

Subject: Fw: Deepwater Horizon Incident Situation Report #32

ct:

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Matthew Loesel

Sent: 05/29/2010 02:56 PM CDT

To: Al Armendariz; Althea Foster; Ben Harrison; Betty Brousseau <Betty.Brousseau@LA.GOV>; Betty Williamson; bhattacharya.dipanjana@epa.gov; Carl Edlund; Carmen Assunto; Chad Nitsch; Charles Faultry; Chris Petersen; Chris Petersen; Craig Carroll; Craig Carroll; Cynthia Fanning; Dana Tulis; Daniel Odem <Daniel.Odem@LA.GOV>; daniel.odem@la.gov; Dave Mickunas; Dave Wright; David Bary; David Gray; David Neleigh; Dawn Ison; Debbie Dietrich; Deborah Ponder; Diane Taheri; Edwin Quinones; elizabeth.doomes@westonsolutions.com; Eric Delgado; Eric Paisley; Eugene Lee; Gary Miller; Gary Moore; Gilberto Irizarry; Ivan Vikin; James Staves; Janie Acevedo; Jeannine Hale; jeff.meyers@la.gov; Jeffrey Clark; Joe Schaefer; John Blevins; John Martin; Karen McCormick; Kenneth Buchholz; Kevin Mould; Laura Hunt;

Lawrence Starfield; Lindsay.maloan@la.gov; Lisa Boynton; Lourdes.Iturralde@LA.GOV; Lynda Carroll; Maria Martinez; Mark Hansen; Mark Hansen; Markj Thomas; Matt Hubner; Matt Taylor; michele.laur@wdc.usda.gov; Miguel Flores; Mike McAteer; Minerva Rojo; Myron Knudson; Nancy Jones; Nicolas Brescia; Omar Martinez; Paige Delgado; Pam Phillips; Patrick Young; Paulette Johnsey; peggy.hatch@la.gov; R6 DWH REOC PSC; Adam Adams; Althea Foster; Brandi Todd; Chris Perry; Chris Petersen; Christopher Ruhl; Craig Carroll; Donaldp Smith; Eric Delgado; Gary Moore; Greg Fife; James Staves; Jhana Enders; John Martin; Jon Rinehart; Mark Hansen; Mark Hayes; Mike McAteer; Nancy Jones; Nicolas Brescia; Paige Delgado; Rita Engblom; Roberto Bernier; Ronnie Crossland; Steve Mason; Susan Webster; Warren Zehner; William Rhotenberry; Richard Mayer; Richard Wayland; Ronnie Crossland; Ronnie Crossland; Sam Becker; Sam Coleman; Scott Hayes; Shane Hitchcock; Sherry Fielding; Stephen Gilrein; Steve Mason; Steve Page; Susan Webster; Susan Webster; Suzanne Murray; Terry Burton; Timothy Curry; Vernon Jackson; Warren Zehner; William Honker; William Luthans; Wren Stenger; Philip Turner; Christopher Ruhl; EOC Situation Unit; Valmichael Leos; Michele Conlon; Melinda McCoy; Janie Acevedo; Iantha Maness; Craig Clinton; Jean Bloom; Edwin Debiew

Subject: Deepwater Horizon Incident Situation Report #32

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 32**
 Deepwater Horizon Incident, Gulf of Mexico
Date: May 28, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 28, 2010 0700 – May 31, 2010 0700
Reporting Period: May 28, 2010 1300 – May 29, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/28:
 - 15,681 personnel and 1,341 offshore vessels are currently responding to the incident.
 - Over 1.82 million feet of containment boom and 1.83 million feet of sorbent boom have been deployed.
 - Over 288,346 barrels of an oil-water mix have been recovered.
 - On 5/28, 1 controlled burn was conducted. A cumulative total of 87 controlled burns have been conducted.
 - On 5/28, BP continued Top Kill operations with 16.4 lb mub and junk shot.
 - On 5/29, BP plans to continue subsurface dispersant injection.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/28 (gal.)	CUMULATIVE TOTALS as of 5/28 (gal.)
Surface	18,445	725,462
Subsurface	14,040	183,832

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/28, BP began applying dispersant on a case by case basis at the direction of the Roberts command and will begin 24 hour shoreline operations in some areas such as the Grand Isle shoreline.
- On 5/28, EPA Region 6 RA participated in a meeting with BP concerning waste and EPA's waste management priorities. Attendees included LDEQ, BP and USCG. Participating via conference was EPA Region 6, EPA HQ, LDNR, and Roberts Area Command.
- On 5/28, in-situ burns were suspended today after two workers (fishermen) were air-evacuated after experiencing chest pains. One 20 min burn was completed before suspension. Crews reported difficulty finding adequate quantities of undispersed oil suitable for burns.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/28, EPA HQ and Regional personnel participated in a teleconference to discuss approach for shoreline cleanup and marsh restoration. A follow-up meeting involving agency and academic shoreline experts is tentatively scheduled for Wednesday, June 2 at Tulane University.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):

- Venice, LA - 29.25274 N, 89.35750 W - V02;
- Boothville, LA - 29.31449 N, 89.38433 W - V03;
- Fort Jackson, LA – 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA – 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at FireStation on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- No air monitoring exceedances were noted during this reporting period.
 - On 5/28, the Chalmette air team collected 2 Suma canisters from the Fourchon and Grand Isle areas. Additional set of canisters were placed, one is located on Grand Isle, LA at the Grand Isle State Park on the eastern end of the island and the second is located at Fourchon Beach, Fourchon, LA

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/28
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	5	3	8
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	293	168	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality

Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - On 5/28, the Venice Water Operations Team will divide into two separate teams. Water Sampling Team 1 will focus on areas heavily impacted by oil near the South Pass and Pass A Loutre areas, and continue reconnaissance for more oil impacted areas. Water Sampling team 2 will focus on heavily impacted oil areas near Chandeleur Island.
 - On 5/28, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating. The team was unable to locate oil in quantities which warranted sampling.
 - On 5/28, the EPA OSC at Cocodrie received a special request for assistance from the LDEQ SERO. The Louisiana Wildlife and Fisheries representative operating out of East Point A La Hache, contacted the LDEQ to communicate a “foam” on weathered oil in Drum Bay. The representative was concerned that the foam may be a result of dispersant application. EPA mobilized the Special Operations Team to the Beshel’s Marina to coordinate with the representative and travel to the location to collect a water sample. When the Special Operations Team arrived on site, the “foam” had decreased significantly due to cleanup contractors moving boom in the area. A water sample was collected from the area exhibiting the highest concentration of “foam”.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/28
Venice	7	0	7
Chalmette	6	0	6
TOTAL TO DATE	170	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/28, TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern MS and AL from the Stennis Space Center to Dauphin Island, AL.
- On 5/28, TAGA performed mobile monitoring for oil dispersant indicator compounds. In Southern MS and AL from Stennis Space Center to Dauphin Island, AL, no dispersant indicator compounds were observed that were not associated with a point source.
 - 5/29/10 , TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA from Stennis Space Center to Cocodrie, LA and Lafitte, LA.

2.6 ASPECT

- On 5/28, ASPECT primary focus of the completed mission was to document activities associated with the Top Kill operation. Visible imagery collected over the site clearly showed a cloudy, green plume present in the water near the work ships. A total of 120 visible images and 48 IR images were collected and processed.
- On 5/28, an oil/water discrimination software package is also being tested on the IR data. Preliminary results indicate positive identification of heavy to light oil on water. Discrimination results will be posted starting on 29 May.
- On 5/29, pending weather, ASPECT is scheduled to continue data collection over the recovery area. As part of these missions, the system will continue to survey shore/marsh areas for oil contamination.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is not available.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX		Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Slidell, LA	TOTALS
EPA									
- OSC	3			1		3	1		8
- RSC	5		1	1					7
- PIO			3						3
- Other	3		2	1	1				7
START	5					15	15		35
ERT Contractor									
TAGA Personnel								5	5
ASPECT Personnel								4	4
Other									
TOTALS	16		6	3	1	18	16	9	69

Deployed Equipment

[illegible]

LRV			1			1			2
Gooseneck Trailer							1		1
20 KW Generator							1		1
Dually Truck (R7)						1			1
Boat (R7)						1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/Purchase OBLIGATIONS.	
USCG PRFA FPN N10036 \$5,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/19/10	\$4,577,819	\$392,954	\$205,495	\$3,271,132	\$3,869,581	\$708,238	\$3,879,055	
TOTAL OPA FUNDED	\$4,577,819	\$392,954	\$205,495	\$3,271,132	\$3,869,581	\$708,238	\$3,879,055	
Region 6 Indirect Rate 13.12%	\$600,610							
Louisiana Total	\$5,178,429	\$392,954	\$205,495	\$3,271,132	\$3,869,581	\$708,238	\$3,879,055	

EPA received an amended Pollution Removal Funding Authorization (PRFA) to add \$2 million dollars to the current Deep Water Horizon budget. This additional funding has a period of performance through June 7, 2010. At the current daily burn rate of \$142,000, this should allow Region 6 to continue at current levels with a limited amount of addition operations.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: EWCutler@aol.com

To: bshoemak@usgs.gov, igor.shulman@nrlssc.navy.mil, cccf@ufl.edu, zojose@lsu.edu, james.silliman@tamucc.edu, gsilva@uv.mx, ns@fciencias.unam.mx, james.simons@tpwd.state.tx.us, colins@mote.org, lsimpson@gsmfc.org, sinigall@fiu.edu, d-slack@tamu.edu, mateo457@yahoo.com, dslone@usgs.gov, nslowey@ocean.tamu.edu, lee.smee@tamucc.edu, tom_j_smith@usgs.gov, dsmith@sel.barc.usda.gov, elizabeth.smith@tamucc.edu, smithg@usgs.gov, smithnf@eckerd.edu, ssmith@rsmas.miami.edu, tsmith@espeyconsultants.com, jennifer.smith-ingle@tamucc.edu, jim_snyder@usgs.gov, rsnyder@uwf.edu, coco@xanum.uam.mx, solisw@cmarl.unam.mx, d.solis@miami.edu, hmsolo@miami.edu, soloviev@ocean.nova.edu, tsoniat@uno.edu, atahsosa@uacam.mx, lasg@icmyl.unam.mx, spectator@coedu.usf.edu, spielerr@nova.edu, Bruce.A.Spiering@nasa.gov, ssponaule@rsmas.miami.edu, MSSpranger@mail.ifas.ufl.edu, sprinkel@mote.org, seaweb@seaweb.org, kerry@btnep.org, lmiller@mail.mcneese.edu, Karen.Steidinger@MyFWC.com, robert.stender@navy.mil, stern@ocean.fsu.edu, gstewart@uwf.edu, stewart@ocean.tamu.edu, gsteyer@usgs.gov, zostic@lsu.edu, stickney@tamu.edu, pstiling@chuma1.cas.usf.edu, dean@ims.uaf.edu, rstoesse@uno.edu, pauls@ig.utexas.edu, ystoker@usgs.gov, gagreg@lsu.edu, jstout@usouthal.edu, Allan_strand@fws.gov, kevin.strychar@tamucc.edu, richard.stumpf@noaa.gov, greg.stunz@tamucc.edu, sturges@ocean.fsu.edu, dsturm@gulfcoastgeo.com, levy@ifas.ufl.edu, amisa@cim.co.cu, josephsuhayda@yahoo.com, sui@geog.tamu.edu, mjsulliv@mail.fsu.edu, dsuman@rsmas.miami.edu, Kevin Summers/GB/USEPA/US@EPA, jsupan@lsu.edu, bsuthard@coastalplanning.net, Rusty.Swofford@noaa.gov, edswain@usgs.gov, swain@fit.edu, swannndl@auburn.edu, pswart@rsmas.miami.edu, pswarzen@usgs.gov, rswett@ufl.edu, dszabo@whgrp.com, sszedlma@acesag.auburn.edu, szmanta@uncw.edu, lmcmanus@rsmas.miami.edu, pablo.tarazaga@tamucc.edu, taroni@comcast.net, tavalga@mote.org, btaylor@rsmas.miami.edu, Kenneth Teague/R6/USEPA/US@EPA, Terry Teague/GMPO/USEPA/US@EPA, chung-chu.teng@noaa.gov, pat.tester@noaa.gov, ETheriot@mail.utexas.edu, fthomas@cas.usf.edu,

gthomas@rsmas.miami.edu, thomasjd@nova.edu, rma_scientist@bellsouth.net, peter.thomas@mail.utexas.edu, rebekah.thomas@tamucc.edu, thome@icmyl.unam.mx, jody.thompson@auburn.edu, thompsjb@eckerd.edu, thosteson@fit.edu, r-tillman@tamu.edu, scott.tinker@beg.utexas.edu, ptissot@lighthouse.tamucc.edu, james.tolan@tpwd.state.tx.us, toledo@colmich.edu.mx, gtolley@fgcu.edu, tomas@uncw.edu, tor@tulane.edu, jtorres@marine.usf.edu, dantor@mda.cinvestav.mx, travis@neuro.fsu.edu, steven_travis@usgs.gov, g-treece@neo.tamu.edu, jtrefry@fit.edu, Ltrevino@cbbep.org, trexlerj@fiu.edu, infotrawlla@gmail.com, tucker@mote.org, jtunnell@cbbep.org, Wes.Tunnell@tamucc.edu, mjturco@usgs.gov, euturne@lsu.edu, vantuss@mar.icmyl.unam.mx, rtwilley@lsu.edu, tueda@fgcu.edu, uribe-alcocer@icmyl.unam.mx, dvaldes@mda.cinvestav.mx, jvalentine@disl.org, evalero@uv.mx, jvandeekreeke@rsmas.miami.edu, tom.vandevender@dmr.state.ms.us, fran.vandolah@noaa.gov, jvanleer@rsmas.miami.edu, dvanproo@smu.ca, vanvleet@marine.usf.edu, svanderkooy@gsmfc.org, varela06@gmail.com, vargo@marine.usf.edu, svargo@seas.marine.usf.edu, dvastano@ocean.tamu.edu, TRL-info@mote.org, vazquez-botello@icmyl.unam.mx, albertomvc@yahoo.com, felipe@mar.icmyl.unam.mx, transparencia@ine.gob.mx, vecchionem@si.edu, avedlitz@bushschool.tamu.edu, maruvega@mda.cinvestav.mx, evelarde@uv.mx, ecovera2007@gmail.com, vvidal@mda.cinvestav.mx, gjvillal@uacam.mx, mvillanueva@rsmas.miami.edu, t.villareal@mail.utexas.edu, jyotika@marine.usf.edu, jvisser@louisiana.edu, avolety@fgcu.edu, vonzharen@tamug.edu, nvoss@rsmas.miami.edu, lorivw@uta.edu, terry@gerg.tamu.edu, jwaide@usgs.gov, lillian.waldbeser@tamucc.edu, calvin.walker@noaa.gov, nwalker@lsu.edu, sharon.walker@usm.edu, bill.walker@dmr.state.ms.us, rwallace@acesag.auburn.edu, richard.waller@usm.edu, Bill.Walling@noaa.gov, susan_walls@usgs.gov, cjwalsh@mote.org, imiwalsh@mac.com, jwalsh@marine.usf.edu, pwalsh@rsmas.miami.edu, swalsh@usgs.gov, bwalther@mail.utexas.edu, jwang@rsmas.miami.edu, pwang@chuma.cas.usf.edu, award@biology.as.ua.edu, bwardlaw@usgs.gov, Permitsmail@adem.state.al.us, tut.warren@usm.edu, coewas@lsu.edu, joelw@tamu.edu, watling@maine.edu, caw@ifas.ufl.edu, richard@texascoastgeology.com, sawatts@uab.edu, weatherly@ocean.fsu.edu, doug.weaver@noaa.gov, webbj@tamug.edu, ewebber@acesag.auburn.edu, egon.weber@tamucc.edu, sweedman@usgs.gov, June.Weeks@noaa.gov, alan.weidemann@nrlssc.navy.mil, eweil@caribe.net, rwells@mote.org, tami.wells@dte-technologies.com, swelsh@lsu.edu, rwertz@usgs.gov, kwestphal@audubon.org, dana@mote.org, wetzellr@eckerd.edu, twhelan3@panam.edu, jrwhite@ufl.edu, bill.white@beg.utexas.edu, terry@ims.uaf.edu, jerry.wiggert@usm.edu, Ray.Wilhour/GB/USEPA/US@EPA, nwilkins@tamu.edu, Dean.Wilkinson@noaa.gov, dwillard@usgs.gov, jwilmsen@rsmas.miami.edu, Cynthia_Williams@fws.gov, jim_williams@usgs.gov, Jo.Anne.Williams@noaa.gov, judith.williams@usm.edu, cwilson@lsu.edu, robert.wilson@noaa.gov, scott_wilson@usgs.gov, vwilson@lsu.edu, jwindsor@marine.fit.edu, k-winemiller@tamu.edu, lwingard@usgs.gov, pwinter@uwf.edu, bwise@ufl.edu, wwiseman@nsf.gov, kim.withers@tamucc.edu, garywolff@tdi-bi.com, john.wood@tamucc.edu, swood@fit.edu, marc_woodin@usgs.gov, woodley@uwimona.edu.jm, inst@mmri.olemiss.edu, aworden@rsmas.miami.edu, jwormuth@ocean.tamu.edu, gworthy@mail.ucf.edu, wright@hboi.edu, cwright@asdd.com, wrighr2@auburn.edu, wursigb@tamug.tamu.edu, yjxu@lsu.edu, tyamamoto@rsmas.miami.edu, aya@ecologia.edu.mx, xyang@fsu.edu, sasha@nova.edu, kyates@usgs.gov, Dwyearer@mobilebaynep.com, kevin.yeager@usm.edu, david.yoskowitz@tamucc.edu, zhanpingyou@yahoo.com, w-younger@tamu.edu, kyu@troy.edu, syu2@tulane.edu, jinchun.yuan@usm.edu, pcyuan@yahoo.com, zajicep@doacs.state.fl.us, ozapata@mda.cinvestav.mx, zaratel@ecologia.edu.mx, zarillo@fit.edu, jzavala@atmosfera.unam.mx, zhan@geo.tamu.edu, czhang@rsmas.miami.edu, jia-zhong.zhang@noaa.gov, zhangm@mail.utexas.edu, jcz@virginia.edu, ziemannda@oceanicinstitute.org, rzika@rsmas.miami.edu, Paul.Zimba@tamucc.edu, Roger.Zimmerman@noaa.gov, zug.george@nrmnh.si.edu

Date:

05/30/2010 11:51 AM

Subject:

GULF OIL SPILL - SOLUTION TO A PENDING DISASTER?

Members of GulfBase.org:

I read the article in the Miami Herald this morning about the oil spill crisis and did not see satisfactory solution being implemented.

There seems to be a solution readily available to saving the marine environment. I saw on the Internet: www.obio.com. At that site there is a link to a video of the sinking in the Gulf of Mexico of the oil tanker **Mega Borg**. Microbes produced by this company were used to "eat up" the oil in the spill and the threat of contamination to the Texas shoreline was averted. The process is been approved by the EPA.

If this is the perhaps one of the worst disasters we have ever seen, then why is this **Microbe** technology not being used right now to remediate the current oil spill in the Gulf?

Although the leak needs to be stopped, what about this solution to save wildlife and the beaches?

Can someone get back to me with a reply?

Regards,

Bill Cutler
Miami, Florida

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Karen McCormick/R6/USEPA/US
o
m:

To Honker.William@epamail.epa.gov, Flores.Miguel@epamail.epa.gov, Watson.Jane@epamail.epa.gov, R6 6WQ-EC, Mundrick.Doug@epamail.epa.gov,
: Thomas.Chris@epamail.epa.gov, Hunt.Laura@epamail.epa.gov, McCoy.Melinda@epamail.epa.gov, Schaub.Mike@epamail.epa.gov, "Philip Crocker"
<Crocker.Philip@epamail.epa.gov>, "Charlie Howell" <Howell.Charlie@epamail.epa.gov>

Cc
: "EOC_Water@epamail.epa.gov" <EOC_Water@epamail.epa.gov>, R6 DWH EOC Water Desk@EPA

Da 05/30/2010 03:30 PM
te:

Su Fw: Deepwater Horizon Incident Situation Report #33
bje
ct:

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Matthew Loesel

Sent: 05/30/2010 02:07 PM CDT

To: Al Armendariz; Althea Foster; Ben Harrison; Betty Brousseau <Betty.Brousseau@LA.GOV>; Betty Williamson; bhattacharya.dipanjana@epa.gov; Carl Edlund; Carmen Assunto; Chad Nitsch; Charles Faultry; Chris Petersen; Chris Petersen; Craig Carroll; Craig Carroll; Cynthia Fanning; Dana Tulis; Daniel Odem <Daniel.Odem@LA.GOV>; daniel.odem@la.gov; Dave Mickunas; Dave Wright; David Bary; David Gray; David Neleigh; Dawn Ison; Debbie Dietrich; Deborah Ponder; Diane Taheri; Edwin Quinones; elizabeth.doomes@westonsolutions.com; Eric Delgado; Eric Paisley; Eugene Lee; Gary Miller; Gary Moore; Gilberto Irizarry; Ivan Vikin; James Staves; Janie Acevedo; Jeannine Hale; jeff.meyers@la.gov; Jeffrey Clark; Joe Schaefer; John Blevins; John Martin; Karen McCormick; Kenneth Buchholz; Kevin Mould; Laura Hunt; Lawrence Starfield; Lindsay.maloan@la.gov; Lisa Boynton; Lourdes.Iturralde@LA.GOV; Lynda Carroll; Maria Martinez; Mark Hansen; Mark Hansen; Markj Thomas; Matt Hubner; Matt Taylor; michele.laur@wdc.usda.gov; Miguel Flores; Mike McAteer; Minerva Rojo; Myron Knudson; Nancy Jones; Nicolas Brescia; Omar Martinez; Paige Delgado; Pam Phillips; Patrick Young; Paulette Johnsey; peggy.hatch@la.gov; R6 DWH REOC PSC; Adam Adams; Althea Foster; Brandi Todd; Chris Perry; Chris Petersen; Christopher Ruhl; Craig Carroll; Donaldp Smith; Eric Delgado; Gary Moore; Greg Fife; James Staves; Jhana Enders; John Martin; Jon Rinehart; Mark Hansen; Mark Hayes; Mike McAteer; Nancy Jones; Nicolas Brescia; Paige Delgado; Rita Engblom; Roberto Bernier; Ronnie Crossland; Steve Mason; Susan Webster; Warren Zehner; William Rhotenberry; Richard Mayer; Richard Wayland; Ronnie Crossland; Ronnie Crossland; Sam Becker; Sam Coleman; Scott Hayes; Shane Hitchcock; Sherry Fielding; Stephen Gilrein; Steve Mason; Steve Page; Susan Webster; Susan Webster; Suzanne Murray; Terry Burton; Timothy Curry; Vernon Jackson; Warren Zehner; William Honker; William Luthans; Wren Stenger; Philip Turner; Christopher Ruhl; EOC Situation Unit; Valmichael Leos; Michele Conlon; Melinda McCoy; Janie Acevedo; Iantha Maness; Craig Clinton; Jean Bloom; Edwin Debiew

Subject: Deepwater Horizon Incident Situation Report #33

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 33**
 Deepwater Horizon Incident, Gulf of Mexico
Date: May 30, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 28, 2010 0700 – May 31, 2010 0700
Reporting Period: May 29, 2010 1300 – May 30, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/30:
 - 16,287 personnel and 1,359 offshore vessels are currently responding to the incident.
 - Over 1.80 million feet of containment boom and 1.85 million feet of sorbent boom have been deployed.
 - Over 312,000 barrels of an oil-water mix have been recovered.
 - On 5/29, 8 controlled burns were conducted. A cumulative total of 96 controlled burns have been conducted.
 - On 5/29, BP suspended Top Kill operations after determining they were unsuccessful.

- On 5/30, BP plans to continue subsurface dispersant injection.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/30 (gal.)	CUMULATIVE TOTALS as of 5/30 (gal.)
Surface	2,900	726,576
Subsurface	14,185	198,017

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/29, the EPA Data Management Unit continued to process surface SMART data for NOAA and to assist NOAA with processing the daily reports and deliverables from subsurface monitoring program being lead by NOAA. NOAA has formed a Sub-Surface Monitoring Group and is working on implementing this program more fully.
- Drilling operations for a relief well will likely be completed in August 2010 at the earliest.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/29, EPA hosted a meeting to discuss preparation of briefing materials for EPA Administrator Jackson's visit. The meeting involved staff from EPA, NOAA, USCG, and BP. The briefing will tentatively include a snapshot of the entire response to date, sampling and analytical results and conclusions, an overview of the SCAT process and results, an overview of the shoreline cleanup process and results, and the waste management process.
- On 5/29, BP indicated they are looking for an alternative dispersant and may have identified a second option.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA – 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA – 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at FireStation on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;

- SUMMA Canisters per location - sample for VOCs.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- No air monitoring exceedances were noted during this reporting period.
 - On 5/29, the Chalmette Air Sampling Team installed MiniRAE VOC monitoring instruments at Monitoring Locations C02, C04, and C05. The instruments are linked with the EBAM units to transmit data via cellular modem. All MiniRAEs are currently operational and are transmitting data.
- On 5/29, the Chalmette air team collected 2 Summa canisters from the Fourchon and Grand Isle areas. One canister was collected from Grand Isle, LA at the Grand Isle State Park on the eastern end of the island and the second canister was located at Fourchon Beach, Fourchon, LA. Air sampling will continue at these locations on 5/30.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/30
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	5	3	8
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	301	174	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - On 5/29, Venice Water Operations Team 1 focused on areas impacted by oil near the Chandeleur Island. The exact locations were determined from data provided by ASPECT. Water Operations Team 1 also conducted reconnaissance for

areas in which significant amounts of oil were accumulating. The team collected 3 water samples from areas near Chandeleur Island.

- On 5/29, Venice Water Operations Team 2 focused on areas impacted by oil near the South Pass and Pass A Loutre. Water Operations Team 2 collected 2 oil samples and 5 water samples from this area.
- On 5/29, Venice Water Operations Team 2 also conducted reconnaissance for areas in which significant amounts of oil were accumulating. Water Operations Team 2 found an approximately 1 mile long isolated, uncontained oil slick in Redfish Bay near Southeast Pass. An oil sample was collected from the slick, and coordinates were given to local cleanup crews as well as the Houma UC.
- On 5/29, the Cocodrie Water Operations Team collected 4 water samples and 1 oil sample from 5 locations in Timbalier Bay area.
- On 5/29, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating in the Last Isle, Whiskey Island, Raccoon Island, East Island, and Lake Pelto areas. The team collected 1 oil sample was collected from the Gulf side of Whiskey Island.
- On 5/29, EPA mobilized a Special Operations Team consisting of 1 EPA OSC and 2 contractors to Grand Isle to collect surface water samples where there had been a large algae bloom reported on 5/28. The sampling team collected 2 water samples, one from a residential area and one from a commercial area, in the Grand Isle area.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/30
Venice	11	0	11
Chalmette	7	0	7
TOTAL TO DATE	188	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/29, TAGA performed mobile monitoring for oil dispersant indicator compounds in southern LA from the Stennis Space

*QAQC samples not included in sample count

2.5 TAGA

- On 5/29, TAGA performed mobile monitoring for oil dispersant indicator compounds in southern LA from the Stennis Space Center to Cocodrie, LA. All observed dispersant indicator compounds were associated with a point source.
 - On 5/30, TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA from the Stennis Space Center to Lafitte, LA and Venice, LA.

2.6 ASPECT

- On 5/29, ASPECT conducted reconnaissance over the rig recovery area and noted that several skimmers were in operation. No drilling fluid was observed around the recovery ships. Oil on water was very uniform around the rig. ASPECT also observed an oil sheen on the Mississippi River.
- On 5/30, ASPECT conducted a reconnaissance approximately 20 miles south of the delta and observed light oil streaks. ASPECT reported oil skimming operations north of the rig area.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update was not provided today.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

[illegible]

ERT Contractor									
TAGA Personnel								5	5
ASPECT Personnel								4	4
Other									
TOTALS	25		5	3	1	18	16	9	77

Deployed Equipment

Equipment	Dallas, TX		Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Slidell, LA	TOTALS
Mobile Command Post							1		1
ASPECT								1	1
TAGA Bus								1	1
LRV			1			1			2
Gooseneck Trailer							1		1
20 KW Generator							1		1
Dually Truck (R7)						1			1
Boat (R7)						1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-Obig Dollars Rem
USCG PRFA FPN N10036 \$5,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/19/10	\$ 6,345,853	\$ 405,546	\$ 211,916	\$ 3,407,581	\$ 4,025,043	\$ 2,320,810	\$ 3,910,555	\$ 141,672	\$ 1,817
TOTAL OPA FUNDED	\$ 6,345,853	\$ 405,546	\$ 211,916	\$ 3,407,581	\$ 4,025,043	\$ 2,320,810	\$ 3,910,555	\$ 141,672	\$ 1,817
Region 6 Indirect Rate 13.12%	\$ 600,610								
Louisiana Total	\$ 6,946,463	\$ 405,546	\$ 211,916	\$ 3,407,581	\$ 4,025,043	\$ 2,320,810	\$ 3,910,555	\$ 141,672	\$ 1,817

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From: "Tunnell, Wes" <Wes.Tunnell@tamucc.edu>

to:

To: <EWCutler@aol.com>, <bshoemak@usgs.gov>, <igor.shulman@nrlssc.navy.mil>, <cccf@ufl.edu>, <zjoose@lsu.edu>, "Silliman, James" <James.Silliman@tamucc.edu>, <gsilva@uv.mx>, <ns@fciencias.unam.mx>, "Simons, James" <james.simons@tpwd.state.tx.us>, <colins@mote.org>, <lsimpson@gsmfc.org>, <sinigall@fiu.edu>, <d-slack@tamucc.edu>, <mateo457@yahoo.com>, <dslone@usgs.gov>, <nslowey@ocean.tamucc.edu>, "Smee, Lee" <Lee.Smee@tamucc.edu>, <tom_j_smith@usgs.gov>, <dsmith@sel.barc.usda.gov>, "Smith, Elizabeth" <Elizabeth.Smith@tamucc.edu>, <smithg@usgs.gov>, <smithnf@eckerd.edu>, <ssmith@rsmas.miami.edu>

<tsmith@espeyconsultants.com>, "Smith-Engle, Jennifer" <Jennifer.Smith-Engle@tamucc.edu>, <jim_snyder@usgs.gov>, <rsnyder@uwf.edu>, <coco@xanum.uam.mx>, <solisw@cmarl.unam.mx>, <d.solis@miami.edu>, <hmsolo@miami.edu>, <soloviev@ocean.nova.edu>, <tsoniat@uno.edu>, <atahsosa@uacam.mx>, <lasg@icmyl.unam.mx>, <spector@coedu.usf.edu>, <spielerr@nova.edu>, <Bruce.A.Spiering@nasa.gov>, <ssponaugle@rsmas.miami.edu>, <MSSpranger@mail.ifas.ufl.edu>, <sprinkel@mote.org>, <seaweb@seaweb.org>, <kerry@btnep.org>, <lmiller@mail1.mcnese.edu>, <Karen.Steidinger@MyFWC.com>, <robert.stender@navy.mil>, <stern@ocean.fsu.edu>, <gstewart@uwf.edu>, <stewart@ocean.tamu.edu>, <gsteyer@usgs.gov>, <zostic@lsu.edu>, <stickney@tamu.edu>, <pstiling@chuma1.cas.usf.edu>, <dean@ims.uaf.edu>, <rstoesse@uno.edu>, <pauls@ig.utexas.edu>, <ystoker@usgs.gov>, <gagreg@lsu.edu>, <jstout@usouthal.edu>, <Allan_strand@fws.gov>, "Strychar, Kevin" <Kevin.Strychar@tamucc.edu>, <richard.stumpf@noaa.gov>, "Stunz, Greg" <Greg.Stunz@tamucc.edu>, <sturges@ocean.fsu.edu>, <dsturm@gulfcoastgeo.com>, <levy@tifas.ufl.edu>, <amisa@cim.co.cu>, <josephsuhayda@yahoo.com>, <sui@geog.tamu.edu>, <mjsulliv@mailier.fsu.edu>, <dsuman@rsmas.miami.edu>, Kevin Summers/GB/USEPA/US@EPA, <jsupan@lsu.edu>, <bsuthard@coastalplanning.net>, <Rusty.Swafford@noaa.gov>, <edswain@usgs.gov>, <swain@fit.edu>, <swanndl@auburn.edu>, <pswart@rsmas.miami.edu>, <pswarzen@usgs.gov>, <rswett@ufl.edu>, <dszabo@whgrp.com>, <sszedlma@acesag.auburn.edu>, <szmanta@uncw.edu>, <lmcmamus@rsmas.miami.edu>, "Tarazaga, Pablo" <Pablo.Tarazaga@tamucc.edu>, <taroni@comcast.net>, <tavolga@mote.org>, <btaylor@rsmas.miami.edu>, Kenneth Teague/R6/USEPA/US@EPA, Terry Teague/GMPO/USEPA/US@EPA, <chung-chu.teng@noaa.gov>, <pat.testler@noaa.gov>, <ETheriot@mail.utexas.edu>, <fthomas@cas.usf.edu>, <gthomas@rsmas.miami.edu>, <thomasjd@nova.edu>, <rma_scientist@bellsouth.net>, <peter.thomas@mail.utexas.edu>, "Thomas, Rebekah" <Rebekah.Thomas@tamucc.edu>, <thome@icmyl.unam.mx>, <jody.thompson@auburn.edu>, <thompsjb@eckerd.edu>, <thosteson@fit.edu>, <r-tillman@tamu.edu>, <scott.tinker@beg.utexas.edu>, <ptissot@lighthouse.tamucc.edu>, <james.tolan@tpwd.state.tx.us>, <toledo@colmich.edu.mx>, <gtolley@fgcu.edu>, <tomasc@uncw.edu>, <tor@tulane.edu>, <jtorres@marine.usf.edu>, <dantor@mda.cinvestav.mx>, <travis@neuro.fsu.edu>, <steven_travis@usgs.gov>, <g-treece@neo.tamu.edu>, <jtrefry@fit.edu>, <Ltrevino@cbbep.org>, <trexlerj@fiu.edu>, <infotrawla@gmail.com>, <tucker@mote.org>, <jtunnell@cbbep.org>, <mjturco@usgs.gov>, <euturne@lsu.edu>, <vantuss@mar.icmyl.unam.mx>, <rtwilley@lsu.edu>, <tueda@fgcu.edu>, <uribe-alcocer@icmyl.unam.mx>, <dvaldes@mda.cinvestav.mx>, <jvalentine@disl.org>, <evalero@uv.mx>, <jvandeekreeke@rsmas.miami.edu>, <tom.vandevender@dmr.state.ms.us>, <fran.vandolah@noaa.gov>, <jvanleer@rsmas.miami.edu>, <dvanproo@smu.ca>, <vanvleet@marine.usf.edu>, <svanderkooy@gsmfc.org>, <varela06@gmail.com>, <vargo@marine.usf.edu>, <svargo@seas.marine.usf.edu>, <dvastano@ocean.tamu.edu>, <TRL-info@mote.org>, <vazquez-botello@icmyl.unam.mx>, <albertomvc@yahoo.com>, <felipe@mar.icmyl.unam.mx>, <transparencia@ine.gob.mx>, <vecchionem@si.edu>, <avedlitz@bushschool.tamu.edu>, <maruvega@mda.cinvestav.mx>, <evelarde@uv.mx>, <ecovera2007@gmail.com>, <vvidal@mda.cinvestav.mx>, <gjvillal@uacam.mx>, <mwillanueva@rsmas.miami.edu>, <t.villareal@mail.utexas.edu>, <jyotika@marine.usf.edu>, <jvisser@louisiana.edu>, <avolety@fgcu.edu>, <vonzharen@tamug.edu>, <nvoss@rsmas.miami.edu>, <lorivw@uta.edu>, <terry@gerg.tamu.edu>, <jwaide@usgs.gov>, "Waldbeser, Lillian" <Lillian.Waldbeser@tamucc.edu>, <calvin.walker@noaa.gov>, <nwalker@lsu.edu>, <sharon.walker@usm.edu>, <bill.walker@dmr.state.ms.us>, <rwallace@acesag.auburn.edu>, <richard.waller@usm.edu>, <Bill.Walling@noaa.gov>, <susan_walls@usgs.gov>, <cjwalsh@mote.org>, <imiwalsh@mac.com>, <jwalsh@marine.usf.edu>, <pwalsh@rsmas.miami.edu>, <swalsh@usgs.gov>, <bwalther@mail.utexas.edu>, <jwang@rsmas.miami.edu>, <pwang@casrx.rc.usf.edu>, <award@biology.as.ua.edu>, <bwardlaw@usgs.gov>, <Permitsmail@adem.state.al.us>, <tut.warren@usm.edu>, <coewas@lsu.edu>, <joelw@tamu.edu>, <watling@maine.edu>, <caw@ifas.ufl.edu>, <richard@texascoastgeology.com>, <sawatts@uab.edu>, <weatherly@ocean.fsu.edu>, <doug.weaver@noaa.gov>, <webbj@tamug.edu>, <ewebber@acesag.auburn.edu>, "Weber, Egon" <Egon.Weber@tamucc.edu>, <sweedman@usgs.gov>, <June.Weeks@noaa.gov>, <alan.weidemann@nrlssc.navy.mil>, <eweil@caribe.net>, <rwells@mote.org>, <tami.wells@dte-technologies.com>, <swelsh@lsu.edu>, <rwertz@usgs.gov>, <kwestphal@audubon.org>, <dana@mote.org>, <wetzellr@eckerd.edu>, <twhelan3@panam.edu>, <jrwhite@ufl.edu>, <bill.white@beg.utexas.edu>, <terry@ims.uaf.edu>, <jerry.wiggert@usm.edu>, Ray Wilhour/GB/USEPA/US@EPA, <nwilkins@tamu.edu>, <Dean.Wilkinson@noaa.gov>, <dwillard@usgs.gov>, <jwillemsen@rsmas.miami.edu>, <Cynthia_Williams@fws.gov>, <jim_williams@usgs.gov>, <Jo.Anne.Williams@noaa.gov>, <judith.williams@usm.edu>, <cwilson@lsu.edu>, <robert.wilson@noaa.gov>, <scott_wilson@usgs.gov>, <vwilson@lsu.edu>, <jwindsor@marine.fit.edu>, <k-winemiller@tamu.edu>, <lwingard@usgs.gov>, <pwinter@uwf.edu>, <bwise@ufl.edu>, <wwiseman@nsf.gov>, "Withers, Kim" <Kim.Withers@tamucc.edu>, <garywolff@tdi-bi.com>, "Wood, John" <John.Wood@tamucc.edu>, <swood@fit.edu>, <marc_woodin@usgs.gov>, <woodley@uwimona.edu.jm>, <inst@mmri.olemiss.edu>, <aworden@rsmas.miami.edu>, <jwormuth@ocean.tamu.edu>, <gworthy@mail.ucf.edu>, <wright@hboi.edu>, <cwright@asdd.com>, <wrighr2@auburn.edu>, <wursigb@tamug.tamu.edu>, <yjxu@lsu.edu>, <tyamamoto@rsmas.miami.edu>, <aya@ecologia.edu.mx>, <xyang@fsu.edu>, <sasha@nova.edu>, <kyates@usgs.gov>, <Dweyeager@mobilebaynep.com>, <kevin.yeager@usm.edu>, "Yoskowitz, David" <David.Yoskowitz@tamucc.edu>, <zhanpingyou@yahoo.com>, <w-younger@tamu.edu>, <kyu@troy.edu>, <syu2@tulane.edu>, <jinchun.yuan@usm.edu>, <pcyuan@yahoo.com>, <zajicep@doacs.state.fl.us>, <ozapata@mda.cinvestav.mx>, <zaratel@ecologia.edu.mx>, <zarillo@fit.edu>, <jzavala@atmosfera.unam.mx>, <zhan@geo.tamu.edu>, <czhang@rsmas.miami.edu>, <jia-zhong.zhang@noaa.gov>, <zhangm@mail.utexas.edu>, <jcz@virginia.edu>, <ziemannnda@oceanicinstitute.org>, <rzika@rsmas.miami.edu>, "Zimba, Paul" <Paul.Zimba@tamucc.edu>, <Roger.Zimmerman@noaa.gov>, <zug.george@nrmh.si.edu>

Da 05/30/2010 03:41 PM
te:

Su DO NOT RESPOND TO THIS/Unauthorized breach...GULF OIL SPILL - SOLUTION TO A PENDING DISASTER?
bje
ct:

GulfBase List,

Please do NOT respond to this unauthorized breach of our GulfBase system.

Wes Tunnell

From: EWCutler@aol.com [<mailto:EWCutler@aol.com>]

Sent: Sun 5/30/2010 11:48 AM

To: bshoemak@usgs.gov; igor.shulman@nrlssc.navy.mil; cccf@ufl.edu; zojose@lsu.edu; Silliman, James; gsilva@uv.mx; ns@ciencias.unam.mx; Simons, James; colins@mote.org; lsimpson@gsmfc.org; sinigall@fiu.edu; d-slack@tamu.edu; mateo457@yahoo.com; dslone@usgs.gov; nslowey@ocean.tamu.edu; Smee, Lee; tom_j_smith@usgs.gov; dsmith@sel.barc.usda.gov; Smith, Elizabeth; smithg@usgs.gov; smithnf@eckerd.edu; ssmith@rsmas.miami.edu; tsmith@espeyconsultants.com; Smith-Engle, Jennifer; jim_snyder@usgs.gov; rsnyder@uwf.edu; coco@xanum.uam.mx; solisw@cmarl.unam.mx; d.solis@miami.edu; hmsolo@miami.edu; soloviev@ocean.nova.edu; tsoniat@uno.edu; atahsosa@uacam.mx; lasg@icmyl.unam.mx; spectator@coedu.usf.edu; spielerr@nova.edu; Bruce.A.Spiering@nasa.gov; ssponauble@rsmas.miami.edu; MSSpranger@mail.ifas.ufl.edu; sprinkel@mote.org; seaweb@seaweb.org; kerry@btnep.org; lmiller@mail1.mcneese.edu; Karen.Steidinger@MyFWC.com; robert.stender@navy.mil; stern@ocean.fsu.edu; gstewart@uwf.edu; stewart@ocean.tamu.edu; gsteyer@usgs.gov; zostic@lsu.edu; stickney@tamu.edu; pstiling@chuma1.cas.usf.edu; dean@ims.uaf.edu; rstoesse@uno.edu; pauls@ig.utexas.edu; ystoker@usgs.gov; gagreg@lsu.edu; jstout@usouthal.edu; Allan_strand@fws.gov; Strychar, Kevin; richard.stumpf@noaa.gov; Stunz, Greg; sturges@ocean.fsu.edu; dsturm@gulfcoastgeo.com; levy@ifas.ufl.edu; amisa@cim.co.cu; josephsuhayda@yahoo.com; sui@geog.tamu.edu; mjsulliv@mail.fsu.edu; dsuman@rsmas.miami.edu; summers.kevin@epa.gov; jsupan@lsu.edu; bsuthard@coastalplanning.net; Rusty.Swafford@noaa.gov; edswain@usgs.gov; swain@fit.edu; swanndl@auburn.edu; pswart@rsmas.miami.edu; pswarzen@usgs.gov; rswett@ufl.edu; dszabo@whgrp.com; sszedlma@acesag.auburn.edu; szmanta@uncw.edu; lmcmanus@rsmas.miami.edu; Tarazaga, Pablo; taroni@comcast.net; tavolga@mote.org; btaylor@rsmas.miami.edu; Teague.Kenneth@epamail.epa.gov; teague.terry@epa.gov; chung-chu.teng@noaa.gov; pat.tester@noaa.gov; ETtheriot@mail.utexas.edu; fthomas@cas.usf.edu; gthomas@rsmas.miami.edu; thomasjd@nova.edu; rma_scientist@bellsouth.net; peter.thomas@mail.utexas.edu; Thomas, Rebekah; thome@icmyl.unam.mx; jody.thompson@auburn.edu; thompsjb@eckerd.edu; thosteson@fit.edu; r-tillman@tamu.edu; scott.tinker@beg.utexas.edu; ptissot@lighthouse.tamucc.edu; james.tolan@tpwd.state.tx.us; toledo@colmich.edu.mx; gtolley@fgcu.edu; tomas@uncw.edu; tor@tulane.edu; jtorres@marine.usf.edu; dantor@mda.cinvestav.mx; travis@neuro.fsu.edu; steven_travis@usgs.gov; g-treece@neo.tamu.edu; jtrefry@fit.edu; Ltrevino@cbbep.org; trexlerj@fiu.edu; infotrawlla@gmail.com; tucker@mote.org; jtunnell@cbbep.org; Tunnell, Wes; mjturco@usgs.gov; euturne@lsu.edu; vantuss@mar.icmyl.unam.mx; rtwilley@lsu.edu; tueda@fgcu.edu;

uribe-alcocer@icmyl.unam.mx; dvaldes@mda.cinvestav.mx; jvalentine@disl.org; evalero@uv.mx; jvandeekreeke@rsmas.miami.edu; tom.vandevender@dmr.state.ms.us; fran.vandolah@noaa.gov; jvanleer@rsmas.miami.edu; dvanproo@smu.ca; vanvleet@marine.usf.edu; svanderkooy@gsmfc.org; varela06@gmail.com; vargo@marine.usf.edu; svargo@seas.marine.usf.edu; dvastano@ocean.tamu.edu; TRL-info@mote.org; vazquez-botello@icmyl.unam.mx; albertomvc@yahoo.com; felipe@mar.icmyl.unam.mx; transparencia@ine.gob.mx; vecchionem@si.edu; avedlitz@bushschool.tamu.edu; maruvega@mda.cinvestav.mx; evelarde@uv.mx; ecovera2007@gmail.com; vvidal@mda.cinvestav.mx; gjvillal@uacam.mx; mvillanueva@rsmas.miami.edu; t.villareal@mail.utexas.edu; jyotika@marine.usf.edu; jvisser@louisiana.edu; avolety@fgcu.edu; vonzharen@tamug.edu; nvoss@rsmas.miami.edu; lorivw@uta.edu; terry@gerg.tamu.edu; jwaide@usgs.gov; Waldbeser, Lillian; calvin.walker@noaa.gov; nwalker@lsu.edu; sharon.walker@usm.edu; bill.walker@dmr.state.ms.us; rwallace@acesag.auburn.edu; richard.waller@usm.edu; Bill.Walling@noaa.gov; susan_walls@usgs.gov; cjwalsh@mote.org; imiwalsh@mac.com; jwalsh@marine.usf.edu; pwalsh@rsmas.miami.edu; swalsh@usgs.gov; bwalthr@mail.utexas.edu; jwang@rsmas.miami.edu; pwang@casmx.rc.usf.edu; award@biology.as.ua.edu; bwardlaw@usgs.gov; Permitsmail@adem.state.al.us; tut.warren@usm.edu; coewas@lsu.edu; joelw@tamu.edu; watling@maine.edu; caw@ifas.ufl.edu; richard@texascoastgeology.com; sawatts@uab.edu; weatherly@ocean.fsu.edu; doug.weaver@noaa.gov; webbj@tamug.edu; ewebber@acesag.auburn.edu; Weber, Egon; sweedman@usgs.gov; June.Weeks@noaa.gov; alan.weidemann@nrlssc.navy.mil; eweil@caribe.net; rwells@mote.org; tami.wells@dte-technologies.com; swelsh@lsu.edu; rwertz@usgs.gov; kwestphal@audubon.org; dana@mote.org; wetzellr@eckerd.edu; twhelan3@panam.edu; jrwhite@ufl.edu; bill.white@beg.utexas.edu; terry@ims.uaf.edu; jerry.wiggert@usm.edu; wilhour.ray@epa.gov; nwilkins@tamu.edu; Dean.Wilkinson@noaa.gov; dwillard@usgs.gov; jwillemsen@rsmas.miami.edu; Cynthia_Williams@fws.gov; jim_williams@usgs.gov; Jo.Anne.Williams@noaa.gov; judith.williams@usm.edu; cwilson@lsu.edu; robert.wilson@noaa.gov; scott_wilson@usgs.gov; vwilson@lsu.edu; jwindsor@marine.fit.edu; k-winemiller@tamu.edu; lwingard@usgs.gov; pwinter@uwf.edu; bwise@ufl.edu; wwiseman@nsf.gov; Withers, Kim; garywolff@tdi-bi.com; Wood, John; swood@fit.edu; marc_woodin@usgs.gov; woodley@uwimona.edu.jm; inst@mmri.olemiss.edu; aworden@rsmas.miami.edu; jwormuth@ocean.tamu.edu; gworthy@mail.ucf.edu; wright@hboi.edu; cwright@asdd.com; wrighr2@auburn.edu; wursigb@tamug.tamu.edu; yjxu@lsu.edu; tyamamoto@rsmas.miami.edu; aya@ecologia.edu.mx; xyang@fsu.edu; sasha@nova.edu; kyates@usgs.gov; Dwyearer@mobilebaynep.com; kevin.yeager@usm.edu; Yoskowitz, David; zhanpingyou@yahoo.com; w-younger@tamu.edu; kyu@troy.edu; syu2@tulane.edu; jinchun.yuan@usm.edu; pcyuan@yahoo.com; zajicep@doacs.state.fl.us; ozapata@mda.cinvestav.mx; zaratel@ecologia.edu.mx; zarillo@fit.edu; jzavala@atmosfera.unam.mx; zhan@geo.tamu.edu; czhang@rsmas.miami.edu; jia-zhong.zhang@noaa.gov; zhangm@mail.utexas.edu; jcz@virginia.edu; ziemannda@oceanicinstitute.org; rzika@rsmas.miami.edu; Zimba, Paul; Roger.Zimmerman@noaa.gov; zug.george@nmnh.si.edu

Subject: GULF OIL SPILL - SOLUTION TO A PENDING DISASTER?

Members of GulfBase.org:

I read the article in the Miami Herald this morning about the oil spill crisis and did not see satisfactory solution being implemented.

There seems to be a solution readily available to saving the marine environment. I saw on the Internet: www.obio.com. At that site there is a link to a video of the sinking in the Gulf of Mexico of the oil tanker **Mega Borg**. Microbes produced by this company were used to "eat up" the oil in the spill and the threat of contamination to the Texas shoreline was averted. The process is been approved by the EPA.

If this is the perhaps one of the worst disasters we have ever seen, then why is this **Microbe** technology not being used right now to remediate the current oil spill in the Gulf?

Although the leak needs to be stopped, what about this solution to save wildlife and the beaches?

Can someone get back to me with a reply?

Regards,

Bill Cutler
Miami, Florida

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Karen McCormick/R6/USEPA/US
o

m:

To Flores.Miguel@epamail.epa.gov, Honker.William@epamail.epa.gov, "Jane Watson" <watson.jane@epa.gov>, "Dawn Ison" <ison.dawn@epa.gov>
:

Cc R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, EOC_Water@epamail.epa.gov, Howell.Charlie@epamail.epa.gov, Mundrick.Doug@epamail.epa.gov,
: Thomas.Chris@epamail.epa.gov, "Brian Thames" <Thames.Brian@epamail.epa.gov>, "Mike Schaub" <Schaub.Mike@epamail.epa.gov>, "Melinda McCoy"
<McCoy.Melinda@epamail.epa.gov>, "Laura Hunt" <Hunt.Laura@epamail.epa.gov>, "Philip Crocker" <Crocker.Philip@epamail.epa.gov>

Da 05/31/2010 03:37 PM
te:

Su Fw: Deepwater Horizon Incident Situation Report # 34
bje
ct:

FYI

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Matthew Loesel

Sent: 05/31/2010 03:10 PM CDT

To: Al Armendariz; Althea Foster; Ben Harrison; Betty Brousseau <Betty.Brousseau@LA.GOV>; Betty Williamson; bhattacharya.dipanjana@epa.gov; Carl Edlund; Carmen Assunto; Chad Nitsch; Charles Faultry; Chris Petersen; Chris Petersen; Craig Carroll; Craig Carroll; Cynthia Fanning; Dana Tulis; Daniel Odem <Daniel.Odem@LA.GOV>; daniel.odem@la.gov; Dave Mickunas; Dave Wright; David Bary; David Gray; David Neleigh; Dawn Ison; Debbie Dietrich; Deborah Ponder; Diane Taheri; Edwin Quinones; elizabeth.doomes@westonsolutions.com; Eric Delgado; Eric Paisley; Eugene Lee; Gary Miller; Gary Moore; Gilberto Irizarry; Ivan Vikin; James Staves; Janie Acevedo; Jeannine Hale; jeff.meyers@la.gov; Jeffrey Clark; Joe Schaefer; John Blevins; John Martin; Karen McCormick; Kenneth Buchholz; Kevin Mould; Laura Hunt; Lawrence Starfield; Lindsay.maloan@la.gov; Lisa Boynton; Lourdes.Iturralde@LA.GOV; Lynda Carroll; Maria Martinez; Mark Hansen; Mark Hansen; Markj Thomas; Matt Hubner; Matt Taylor; michele.laur@wdc.usda.gov; Miguel Flores; Mike McAteer; Minerva Rojo; Myron Knudson; Nancy Jones; Nicolas Brescia; Omar Martinez; Paige Delgado; Pam Phillips; Patrick Young; Paulette Johnsey; peggy.hatch@la.gov; R6 DWH REOC PSC; Adam Adams; Althea Foster; Brandi Todd; Chris Perry; Chris Petersen; Christopher Ruhl; Craig Carroll; Donaldp Smith; Eric Delgado; Gary Moore; Greg Fife; James Staves; Jhana Enders; John Martin; Jon Rinehart; Mark Hansen; Mark Hayes; Mike McAteer; Nancy Jones; Nicolas Brescia; Paige Delgado; Rita Engblom; Roberto Bernier; Ronnie Crossland; Steve Mason; Susan Webster; Warren Zehner; William Rhotenberry; Richard Mayer; Richard Wayland; Ronnie Crossland; Ronnie Crossland; Sam Becker; Sam Coleman; Scott Hayes; Shane Hitchcock; Sherry Fielding; Stephen Gilrein; Steve Mason; Steve Page; Susan Webster; Susan Webster; Suzanne Murray; Terry Burton; Timothy Curry; Vernon Jackson; Warren Zehner; William Honker; William Luthans; Wren Stenger; Philip Turner; Christopher Ruhl; EOC Situation Unit; Valmichael Leos; Michele Conlon; Melinda McCoy; Janie Acevedo; Iantha Maness; Craig Clinton; Jean Bloom; Edwin Debiew

Subject: Deepwater Horizon Incident Situation Report # 34

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 34**
 Deepwater Horizon Incident, Gulf of Mexico
Date: May 31, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 28, 2010 0700 – May 31, 2010 0700
Reporting Period: May 30, 2010 1300 – May 31, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 5/31:
 - 15,918 personnel and 1,621 offshore vessels are currently responding to the incident.
 - Over 1.94 million feet of containment boom and 1.82 million feet of sorbent boom have been deployed.
 - Over 320,000 barrels of an oil-water mix have been recovered.
 - On 5/30, 8 controlled burns were conducted. A cumulative total of 104 controlled burns have been conducted.
 - On 5/30, booming and skimming operations were hampered by weather conditions.

- On 5/31, BP plans to continue Top Cap operations by testing equipment, staging the third Top Hat on the sea bed, and begin cutting the riser.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 5/31 (gal.)	CUMULATIVE TOTALS as of 5/31 (gal.)
Surface	17,631	744,207
Subsurface	14,974	212,991

2.1 (USCG) Incident Command Post (Houma, LA).

- On 5/30, the EPA Data Management Unit continued to process surface SMART data for NOAA and to assist NOAA with processing the daily deliverables of the Brooks McCall, Veritas, and Walton-Smith vessels.
- On 5/30, EPA met with the BP planning section to assist with development of a new document data coding plan based on EPA's data coding structures.
- On 5/30, an LSU sponsored submarine reported finding subsurface oil plumes at a depth of 400 feet containing large portions of oil.
- On 5/31, BP plans to conduct a test to determine the effectiveness and feasibility of using bagasse to protect marshes.

2.2 (USCG) Area Command Post (Robert, LA)

- On 5/30, EPA prepared briefing materials in anticipation of EPA Administrator Jackson's visit to the area beginning on 5/31.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA - 29.35699 N, 89.45487 W - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - 29.86609, -89.89108 - C02 - located at Fire Station number 8;
 - Chalmette, LA - 29.96082, -90.00132 - C04 - located at Fire Station on Aycock St.
 - Hopedale, LA, - 29.84049, -89.68980 - C05 - located at Fire Station number 11.
- Each Venice and Chalmette air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors) - equipment has replaced DataRAM's;
 - AreaRae/MultiRae - monitoring VOCs;

- PQ200 - samples for PM2.5;
- SUMMA Canisters per location - sample for VOCs.
- EPA continues to conduct air monitoring and sampling in the Grand Isle operations area (VOCs)
 - Fourchon, LA – 29.21037N, -90.04979W – GI01 - Fourchon Beach, Fourchon, Lafourche Parish LA
 - Grand Isle, LA - 29.23613N. -89.9851W - GI02 - located at Grand Isle State Park
- Each Grand Isle air sampling locations is equipped with 1 Summa Canister for VOC sampling.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- A possible air monitoring exceedance for H₂S was noted at Location V02 at 1700 hours on 5/30. The possible exceedance is currently under review.
 - On 5/29, the Grand Isle Air Sampling Team only deployed one Summa canister in the Fourchon and Grand Isle area, due to the second canister's valve malfunctioning. The canister was placed in the Grand Isle, Jefferson Parish, LA location, at the Grand Isle State Park on the eastern end of the Island. On 5/30, the Grand Isle Team collected the canister and packaged for shipment.
 - On 5/30, the EBAM at location V02 shut down at 0248 due to electrical problems. The crew conducted repairs and successfully restarted the unit. Hourly averages were not recorded from 0200 to 0600.
 - On 5/30, the Cocodrie Water Operations Team used a MultiRAE to conduct air monitoring during all sampling operations. The instrument read background levels of VOCs, LEL, CO, and O2.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/31
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	4	3	7
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	308	180	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality

U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - On 5/30, Venice Water Operations Teams 1 and 2 focused on areas near the South Pass and Pass A Loutre. The teams collected 10 water samples and 5 oil sample from this area.
 - On 5/30, the Cocodrie Water Operations Team collected 3 water samples and 1 oil sample from 5 locations in Timbalier/Terrebonne/Barataria Bays area.
- On 5/30, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating from Grand Terre Island to Point Fourchon, LA.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/30
Venice	15	0	15
Chalmette	0	0	0
Cocodrie	4	0	4
TOTAL TO DATE	207	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 5/30, TAGA performed mobile monitoring for oil dispersant indicator compounds in southern LA from the Stennis Space Center to Lafitte, LA and Venice, LA. All observed dispersant indicator compounds were associated with a point source.
 - On 5/31, TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA from the Stennis Space Center to Port Fourchon, LA and Grand Isle, LA.

2.6 ASPECT

- On 5/30, ASPECT documented oil in the marshland areas along the shoreline east and south of Venice, LA. ASPECT also observed light oil streaks approximately 20 miles south of the delta.
- On 5/30, ASPECT reported oil skimming operations north of the rig area.
- On 5/31, ASPECT is scheduled to examine the shore and marsh areas from Pass a Loutre to Japan Island. However, a line of

thunderstorms is moving across the mid delta and will likely affect the target area. ASPECT will hold until these storms have moved out of the area.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update was not provided today.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

[illegible]

nel											
ASPECT Personnel										4	4
Other											
TOTALS	25		5	3	1	12	16	4	3	9	78

Deployed Equipment

Equipment	Dallas, TX		Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
Mobile Command Post							1				1
ASPECT										1	1
TAGA Bus										1	1
LRV			1			1					2
Gooseneck Trailer							1				1
20 KW Generator							1				1
Boat (R7)								1			1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-Obligated Dollars
USCG PRFA FPN N10036 \$5,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/19/10	\$6,345,853	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	
TOTAL OPA FUNDED	\$6,345,853	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	\$1,800,000
Region 6 Indirect Rate 13.12%	\$832,576								
Louisiana Total	\$7,178,429	\$418,052	\$205,495	\$3,515,000	\$4,138,547	\$2,207,306	\$3,911,555	\$141,478	\$1,800,000

- On 5/30, Region 6 received reimbursable authority for the \$2 million amendment to the Pollution Removal Funding Authorization (PRFA), making the total PRFA to be \$7,178,429. Because the IFMS and EAS systems were down this weekend due to month end close-out, no Procurement Requests were processed. This results in Region 6 temporarily having a significant amount of money in the category of Un-obligated Funds. Procurement Requests have been prepared and are ready to be submitted to the system On 6/1, once the system comes on-line.

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Jenelle Hill/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/01/2010 09:30 AM

Subject: dispersed oil in wetlands

Good morning Ken. Could you please email me the email that you and Chris received from Andy Nyman. Thanks.

Jenelle Hill
ORISE Post-Graduate Intern
EPA Region 6
1445 Ross Ave
Dallas, TX 75202
ph: (214) 665-9737
fx: (214)665.6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Mass Mailer
To: All EPA Employees
Date: 06/01/2010 12:15 PM
Subject: Updates from the Gulf Coast

Visit the Agency's Intranet for More Information

All Hands Email-Archive

This message is being sent to all EPA Employees.

Please do not reply to this mass mailing.

Colleagues:

Welcome back from Memorial Day weekend. I hope you took time during the holiday to honor the service and sacrifice of Americans in uniform and all they have done for our nation. As we return to work, let me share the latest updates on our response to the BP spill. We continue to confront urgent challenges and adapt to them, from reducing the use of dispersants and monitoring air quality to addressing the first landfalls of oil in the region. Last week, President Obama visited the Gulf Coast region. This week I have returned for the fourth time and will spend several days in the area working with onsite responders and meeting with affected communities. Visiting the response sites allows me to see firsthand the efforts we are taking to monitor the air, water, soil and undersea dispersant application and to witness the extraordinary efforts of the more than 20,000 federal responders working to address the crisis. Hundreds of EPA employees are working around the clock, seven days a week; many of them worked throughout the holiday weekend. I cannot say enough how grateful I am to everyone who is going above and beyond in this response.

We also are working to maintain a steady flow of transparent and timely information to the public. If you have questions or are fielding questions from outside the Agency, I encourage you to refer to EPA's website, <http://www.epa.gov/BPspill>, as the best source for updates. There you can find an extensive question-and-answer section on a range of issues, news releases, statements, letters, and the data from our air, water, soil and undersea dispersant monitoring efforts. We also have a section for submitting technological solutions for stopping the leak or mitigating the spill and links for other opportunities to lend a hand.

A final note: Whether or not you are immediately connected to the BP spill response, you are a part of this effort. We face this crisis as One EPA. It is an agency wide priority and, while we must maintain our focus on the range of vital services EPA provides to the American people, we all have a responsibility to remain informed and vigilant as the response continues. This tragic situation presents a grave threat to the environmental and economic future of the Gulf region and concerns all Americans. With your help, EPA will continue to do everything in our power to address this crisis in the most aggressive and responsible ways.

Thank you for everything you do.

Sincerely,
Lisa P. Jackson
Administrator

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From: Cutler Cleveland <cutler@bu.edu>
To: Cutler Cleveland <cutler@bu.edu>
Date: 06/01/2010 12:22 PM
Subject: Natural Oil Seeps and the Deepwater Horizon Disaster

First published in the Encyclopedia of Earth

Some reports in the media attempt to downplay the significance of the release of oil from the Deepwater Horizon accident by arguing that natural oil seeps release large volumes of oil to the ocean, so why worry? Lets look at the numbers.

Natural seeps can be thought of as natural springs from which liquid and gaseous hydrocarbons (hydrogen-carbon compounds) leak out of the ground. Oil seeps are fed by natural underground accumulations of oil and natural gas. Satellite images have identified hundreds of areas where oil is likely to seep from the Earth's crust into the waters of the Gulf of Mexico. These seeps occur over a wide range of the 615,000 mi² (1.6 million km²) Gulf. A 2003 study by the National Research Council and a 2009 report by oil spill expert Dagmar Schmidt Etkin indicate that between 560,000 and 1,400,000 barrels per year (1,534 to 3,835 barrels per day) seep into the Gulf of Mexico from natural sources. Dozens of natural seeps have been identified off the coasts of Louisiana and Texas, some in the region of the Deepwater Horizon site.

These natural seeps are quasi-continuous or chronic inputs that represent a "background" rate of oil input that have been in existence for hundreds or thousands of years. As the term "seep" implies, the rate of oil release from these sources is much smaller than human spills that often release large, concentrated pulses of oil. One of the largest and most intensively studied seepage areas lies off Coal Oil Point, in Santa Barbara County, California. Individual seeps in this area release an estimated 80 to 100 barrels (3,360 to 4,200 gallons) of oil per day; Deepwater Horizon is releasing 12,000 to 19,000 barrels per day.

The Deepwater Horizon site releases 3 to 12 times the oil per day compared to that released by natural seeps across the entire Gulf of Mexico. By May 30, the Deepwater Horizon site had released between 468,000 and 741,000 barrels of oil, compared to 60,000 to 150,000 barrels from natural seeps across the entire Gulf of Mexico over the same 39 day period.

Natural seeps are not constantly active; the volume of oil released can vary considerably throughout the day and from day to day. As a result, only a small area around the source is actually exposed to "fresh" non-degraded oil, which is its most toxic state.

Marine and coastal organisms and ecosystems presumably have adapted to the natural rate of oil input. Indeed, most organisms living in the regions near natural oil seeps have no special adaptations to the oil. Researchers at Woods Hole Oceanographic Institute and the

University of California/Santa Barbara studied natural seeps off the coast of California. They found that as the oil moved upwards in the water column, a wide range of microbes consume the oil and produce intermediate products, and that those intermediate products are then converted by another group of microbes to natural gas and other compounds. Their research suggests that oil from natural seeps normally stays in the water for between ten hours to five days.

Oil that does make it to the surface from natural seeps can spread out very widely. One gallon of oil can spread out to cover more than a full square mile, forming an extremely thin film on the surface, about one-hundredth of a millimeter thick. Under these conditions, the oil is not hazardous. Some of the oil in that thin sheen evaporates within seconds or minutes after it reaches the surface.

A sudden, concentrated and massive pulse of oil from an event such as the Deepwater Horizon disaster presents a fundamentally more acute stress to marine and coastal systems. The amount, rate and spatial concentration of crude oil released from such an event overwhelm the natural mechanisms of oil dispersal and breakdown, producing the significant ecological effects that we observe.

Cutler J. Cleveland

Boston University

May 31, 2010

http://www.eoearth.org/article/Deepwater_Horizon_oil_spill

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Cutler J. Cleveland (Lead Author); C Michael Hogan and Peter Saundry (Topic Editor);. 2010. "Deepwater Horizon oil spill." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth May 24, 2010; Last revised May 30, 2010; Retrieved May 30, 2010]<http://www.eoearth.org/article/Deepwater_Horizon_oil_spill>

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/01/2010 01:22 PM
Subject: New post on moving sand around in the delta (also LaCoastPost party June 13)

Folks-

- 1) Sorry for the repetition but the sand berm project is getting even bigger, still sans science. See my latest thoughts .
 - 2) Note the June 13 LaCoastPost NOLA party for June 13. Hope to see you there, unless you live far away. You too, Garret!
- Len

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane

: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: "Gulf Response Involvement Team" <Coalition@crcl.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/01/2010 01:34 PM
Subject: Beach Clean-Up in Cameron Parish

Beach Clean-Up in Cameron Parish

www.lagulfresponse.org

DAY 41 – BP OIL SPILL
VOLUNTEER OPPORTUNITY

Dear Volunteers,

Thank you for your patience in allowing us to respond to the BP Oil Spill with a coordinated and safe volunteer program. We've received numerous emails asking why volunteers haven't been mobilized to assist with oil removal at this time. First, many areas of Louisiana that have been impacted by oil are sensitive marsh areas that are only accessible by boat and require professional training for oil remediation activities. Second, BP is only using trained and paid contractors to handle oiled material on beaches and shorelines. Third, we do not want to detract from the use of a local and contracted workforce that may rely on compensation for clean-up related activities to supplant the interruption of their previous income.

As you can see there are many considerations for how we implement safe, coordinated and sensitive volunteer activities. With the disappointing news Saturday that the top kill was unsuccessful, we have to be planning for a long and hard fight against oil on our shorelines.

The first step in the fight against oil is to reduce the amount of debris in the potential impact zones to the west of the current oiled shorelines. Debris and trash that collects on our shorelines can potentially get covered in oil and make the clean-up of these natural areas even more complicated. In anticipation of oil moving westward, we are planning a Beach Clean-Up project in Cameron Parish.

This project will include the removal of debris, both natural and anthropogenic, from the shoreline to make the removal of oil less difficult and reduce the amount of hazardous material we will have to dispose of once affected by the oil spill. In addition to picking up trash, we will be raking and moving the organic debris from the waterline to past the high tide line. The last volunteer project in Lower Jefferson Parish was a complete success and turned out to be a great asset now that the Grand Isle area is being affected. This is a pre-landfall clean-up; there will be no handling of any oil contaminated material or wildlife.

Beach Clean-Up in Cameron Parish
Saturday, June 5, 2010
8:30 am to 3:00 pm

Volunteers **MUST** register online for this event. Unregistered volunteers will not be accepted, so **REGISTER TO HELP TODAY!**

During the Beach Clean-Up event on June 5th, GRIT and BP will provide:

- All required equipment, including gloves, trash bags, shovels, bug spray, sunscreen, etc.
- Food and refreshments to all volunteers
- Disposal for the trash collected
- First aid kits and a first responder on site
- A 30-minute safety lesson prior to the day's activities

BP requires that all volunteers must be 21 years or older. The project site is located along the Cameron Shoreline near Holly Beach. This is a single day event. Volunteers must provide their own transportation to and from the project site. Volunteers will be emailed details about the event and what to bring/wear, including the exact meeting location, once they are registered.

BP and GRIT are organizing events to ensure the safety and well-being of the volunteers, as well as the wildlife and natural areas. It is required that volunteers participate in an organized event at an approved location and do not attempt to access natural areas on their own. Many areas are privately-owned, are undergoing construction activities, or have nesting wildlife, so coordination with GRIT and BP is imperative to a safe event. Please do not attempt to engage in volunteer activities on your own.

If you are not able to volunteer for this event, please consider making a financial donation to help GRIT to provide additional opportunities in the future. Click [here](#) to donate

Sincerely,

Gulf Response Involvement Team

Members:

Barataria-Terrebonne National Estuary Program

Coalition to Restore Coastal Louisiana

National Audubon Society

National Wildlife Federation

The Nature Conservancy

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F Maria Moreno/R6/USEPA/US
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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA,
Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA,
Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige
Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water
Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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S REVISED - 6WQ Situation Update #22 (6-1-2010)
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Please disregard previous email sent.

Thank you,

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients:;
Date: 06/01/2010 08:29 PM
Subject: Fwd: FW: Governor Jindal on Dredging Plan: Time for Studies is Over, We Need Action

Thanks, Christina. I'm sending this to a number of enquiring minds..
Len

On Tue, Jun 1, 2010 at 7:37 PM, Christina Melton <cmelton@lpb.org> wrote:
passing along...

Christina Melton

Senior Producer and Archive Project Manager
Louisiana Public Broadcasting
7733 Perkins Road
Baton Rouge, LA 70810
Cell: 225-921-0251
Desk: 225-767-4248
Email: cmelton@lpb.org

From: Frank Collins [Collinsf@GOV.STATE.LA.US]
Sent: Tuesday, June 01, 2010 6:58 PM
To: Frank Collins
Subject: Governor Jindal on Dredging Plan: Time for Studies is Over, We Need Action

State of Louisiana

FOR IMMEDIATE RELEASE

Office of the Governor

June 1, 2010

GOVERNOR BOBBY JINDAL

Press Office: Melissa Sellers, Kyle Plotkin

Contact: 225-342-8006, (c) 225-328-3755

Governor Jindal on Dredging Plan: Time for Studies is Over, We Need Action

- Gov. Jindal Says Coast Guard's Area Contingency Plans Already Included Land Barriers -

NEW ORLEANS – Today, Governor Bobby Jindal attended the National Incident Command Barrier Island Berm Meeting with Coast Guard Admiral Thad Allen to discuss the state's sand-booming/dredging plan to protect Louisiana's coast from the oil spill. At a press conference following the meeting, Governor Jindal stressed that the time for studies and discussion is over and it's critical for dredging to begin immediately.

NEW ORLEANS – Today, Governor Bobby Jindal attended the National Incident Command Barrier Island Berm Meeting with Coast Guard Admiral Thad Allen to discuss the state's sand-booming/dredging plan to protect Louisiana's coast from the oil spill. At a press conference following the meeting, Governor Jindal stressed that the time for studies and discussion is over and it's critical for dredging to begin immediately.

Governor Jindal said, "The time for studies and discussion is over. We need action. Today will only have been productive if we get approval for our plan. Approval of this plan is not a multiple choice test. It's a pass-fail test and the federal government doesn't need to be making excuses for BP. BP is the Responsible Party for this spill and we need the federal government to hold them accountable and ensure they are indeed responsible.

"We are in a fight to protect our coasts and our Louisiana way of life. Like any fight, we need to use every tool we can. We have already deployed hard boom, soft boom, Hesco baskets, Tiger Dams, dropped sand bags, filled in gaps with sand, and also proposed a sand-boom/dredging plan to use sand booms to stop oil from getting into our marshes.

"To be clear – these kinds of land barriers – or berms – were already included in the Area Contingency Plans the Coast Guard had on file even before this oil spill occurred. Specifically, the Coast Guard's contingency plan says: 'Temporary berms, dikes and dams can also serve as effective barriers against oil contamination of sensitive natural resources and economic amenities.' The plan goes on to say that 'The object of berms, dikes and dams is to keep oil outside an inlet because there are often abundant natural resources and economically significant areas that use the sheltered waters of bays and estuaries within.'

"We agree with the effectiveness of these kinds of sand booms and that is why we proposed 24 segments totaling around 100 miles of sand booms weeks ago. Last week, the Coast Guard only approved BP to fund the construction of one of these segments – on Pelican Island, while the Army Corps of Engineers had approved a total of six segments. Today, we pointed out again to the Coast Guard that the effectiveness of sand booms – or berms – is already clearly laid out in the Area Contingency Plans that were on file with the Coast

Guard even before this spill.”

Governor Jindal highlighted the effectiveness of sand-booming to protect the coast. The Governor said, “To give you an idea how sand booming will be effective in our fight to protect our coast from this oil, CPRA estimates that about 100 miles of barrier islands will help protect about 4,000 miles of our shoreline. We could have already constructed around 10 miles of this sand boom if our plan had been approved three weeks ago when we first submitted it – on May 11th.

“According to NOAA, about 126 miles of our coastline has now been impacted by oil. Again – this is why we need to be fighting this oil 15 to 20 miles off of our coast and not up in the fragile marshland.

The Governor emphasized that in his meeting with President Obama, the President noted it would take two to three days to make a decision on having BP pay for the other five segments.

Governor Jindal said, “When we met with the President on Friday, we discussed the importance of our sand-boom plan and we shared with him our frustration with waiting for weeks after we first submitted the plan just to get approval to begin construction on one segment while six of the 24 were authorized. The President told us Friday that within two to three days federal officials would make a decision about whether or not they will force BP to pay for the other five segments of the plan that the Army Corps of Engineers already approved.

“We are frustrated that it took two weeks to get any kind of response. We are frustrated that the federal government then only agreed to make BP pay for one segment while the Corps approved six segments for construction. We are frustrated that they said the other five would not be approved because they needed to ensure the ‘effectiveness’ of sand-boom even through the Area Contingency Plan already calls sand-booming an ‘effective’ measure.

The Governor said he was frustrated that BP has yet to provide the funds to start work on the first approved segment. Governor Jindal said, “Even on this one approved segment, we are frustrated that BP has still not given us the funds we need to begin construction – or started work on the segment themselves. We are asking the Coast Guard to step in and force them to immediately give the state the funds we need to begin work or have them begin doing the work directly themselves. We need to get to work. We need to be out there protecting our shores – not holding more meetings to discuss ideas. We are calling on them to get started on this segment today. Let’s get to work today.”

The Governor reiterated his call for the Coast Guard and the federal government to force BP to pay for the remaining five segments that have been approved.

Governor Jindal said, “Today, we are also calling on the Coast Guard and the federal government again to force BP to pay for the remaining 5 segments already approved – and then our entire 24-segment plan from the northern Chandeleurs to the Isle Dernieres chain. Our entire coast is important. The top kill failed. We know this will be a marathon for Louisiana and we cannot allow the federal government to make excuses for BP. BP is the responsible party but we need the federal government to ensure they are responsible.”

SEVEN AREAS FOR STATE PROACTIVE ACTION

The Governor highlighted seven areas where the state continues to move ahead to protect Louisiana’s coast.

1. **Protecting Marshes:** In Plaquemines, Jefferson, Orleans and St. Bernard parishes the state is working with parish officials to establish a Marsh Fringe Barrier – a combination of plugs and berms – to keep surface oil from penetrating our interior marshes. In

Lafourche and Terrebonne parishes, they are identifying east to west canals that could be fortified with boom to serve as a seal to prevent surface oil from further intruding into the marshes there. CPRA is also working with National Guard to look for key points to fill in sand in St. Tammany and Jefferson parishes. Yesterday, the National Guard also conducted a boat reconnaissance mission in Plaquemines Parish to identify approximately 14 miles of gaps in the parish coastline.

2. **Trinity Bayou Fill:** The National Guard also conducted an aerial reconnaissance mission with state coastal restoration personnel to the Timbalier Islands and Trinity Bayou to develop action plans for gap fill operations there. Based on this mission, the National Guard finished filling a 115-foot gap near Trinity Bayou.

3. **Hesco Baskets:** The National Guard has deployed two and a half miles of Hesco baskets in the Fourchon area.

4. **Landbridges:** National Guard engineers continue to conduct maintenance on the land bridges at Elmer's Island and Thunder Bayou – which have been actively holding oil back from entering interior wetlands. National Guard engineers have filled five gaps in the vicinity of Thunder Bayou in Port Fourchon.

5. **Tiger Dams:** National Guard engineers have secured over 4 $\frac{3}{4}$ miles of the 7.1 miles of Tiger Dams needed in Southwest Pass. In support of Jefferson Parish and Grand Isle, National Guard engineers have positioned approximately 2 miles of Tiger Dams out of the 6 miles needed.

6. **Sand-Fill Operations:** CPRA and the National Guard have leaned forward and identified approximately 40 total locations where gaps in barrier islands could be filled with sandbags or dump trucks of sand. This strategy would complement a more complete and extensive dredging/sand booming plan. On Pelican Island, the National Guard has dropped over 1,720 sandbags to date. Six of the eight gaps on Pelican Island have been completed and they are continuing work on the seventh gap on Pelican Island today. They are

also working on the first gap on Scofield Island and have filled in more than 785 sandbags to date. The state also requested that BP augment these efforts with private contractors and the state is still awaiting BP's response to this request.

7. **Freshwater Diversions:** The state is currently operating all freshwater diversions they control to flush fresh water down into the Gulf.

Oil Impact Update

Today, DEQ confirmed shoreline impacts at South Pass, Pilot Bayou/Johnson Pass, Pass a Loutre/Redfish Bay, the Chandeleur Islands, Grand Isle/Elmer's Island, Grand Terre Island, Brush Island, Lake Raccourci, Chenier au Tigre, Trinity Island, Fourchon Beach, Timbalier Bay, Shoreline of Lake Felicity, and Marsh Island.

In the last 24 hours, the state has just received only 10,500 feet of hard boom.

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Jane Watson/R6/USEPA/US

To: William Honker/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Cc: Mark Hansen/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Lawrence Starfield/R6/USEPA/US@EPA

Date: 06/02/2010 11:48 AM

Subje notes from 9:00 am marsh remediation call

ct:

Jane B. Watson, Ph.D.
Associate Director
Water Quality Protection Division
EPA Region 6
214 665 6653

Hello Everyone,

My notes from this morning's call, scheduled to prepare for Saturday (June 05, 2010) workshop on remediation/protection of oiled marsh:

General approaches favored:

Bioremediation- in situ

No application of microbial agents or enzymes

Granular application of fertilizer/nutrients, inorganic phosphate, ammonium nitrate

Follow up and next steps:

Follow up call scheduled for June 02, 3:00 CST, with smaller group to discuss nature of technology workshop discussion with Administrator scheduled for Saturday, June 05, 2010, in Louisiana.

R6 strongly suggested meeting should not convene vendors or private entities with project proposals, but should focus on general recommendations of appropriate techniques for different types of Louisiana marsh and coastal environment. A second meeting could discuss specific proposals.

These recommendations should come from local coastal experts, including Kerry St. Pe and Irving Mendelssohn. R6 agreed to provide list of appropriate experts prior to 3:00 June 02 call, and block out general appropriate concepts recommended by R6 staff.

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Fr Maria Moreno/R6/USEPA/US
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m:

To Jane Watson/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy
: Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia
Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC
Water@EPA, Forrest John/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark
Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA,
Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip
Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA

Cc
: R6 DWH REOC PSC@EPA, Renee Bellow/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Karen McCormick/R6/USEPA/US
o

m:

To William Honker/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, R6 6WQ-EC, Philip Crocker/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Mike
: Schaub/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA

Cc
: R6 DWH EOC Water Desk@EPA, R6 DWH EOC Water <R6_DWH_EOC_Water@epa.gov>

Da 06/02/2010 03:15 PM
te:

Su Fw: Deepwater Horizon Incident Situation Report #36
bje
ct:

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 06/02/2010 03:14 PM -----

Fr Matthew Loesel/R6/USEPA/US
o

m:

To Al Armendariz/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Ben Harrison/R6/USEPA/US@EPA, Betty Brousseau <Betty.Brousseau@LA.GOV>, Betty
: Williamson/R6/USEPA/US@EPA, bhattacharya.dipanjana@epa.gov, Carl Edlund/R6/USEPA/US@EPA, Carmen Assunto/R6/USEPA/US@EPA, Chad Nitsch/DC/USEPA/US@EPA,
Charles Faultry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Craig
Carroll/R6/USEPA/US@EPA, Cynthia Fanning/R6/USEPA/US@EPA, Dana Tulis/DC/USEPA/US@EPA, Daniel Odem <Daniel.Odem@LA.GOV>, daniel.odem@la.gov, Dave
Mickunas/RTP/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA, David Bary/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA, David Neleigh/R6/USEPA/US@EPA,

Dawn Ison/R6/USEPA/US@EPA, Debbie Dietrich/DC/USEPA/US@EPA, Deborah Ponder/R6/USEPA/US@EPA, Diane Taheri/R6/USEPA/US@EPA, Edwin Quinones/R6/USEPA/US@EPA, elizabeth.doomes@westonsolutions.com, Eric Delgado/R6/USEPA/US@EPA, Eric Paisley/R6/USEPA/US@EPA, Eugene Lee/DC/USEPA/US@EPA, Gary Miller/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, Ivan Vikin/R6/USEPA/US@EPA, James Staves/R6/USEPA/US@EPA, Janie Acevedo/R6/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, jeff.meyers@la.gov, Jeffrey Clark/RTP/USEPA/US@EPA, Joe Schaefer/ERT/R2/USEPA/US@EPA, John Blevins/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Buchholz/R7/USEPA/US@EPA, Kevin Mould/DC/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Lawrence Starfield/R6/USEPA/US@EPA, Lindsay.maloan@la.gov, Lisa Boynton/DC/USEPA/US@EPA, Lourdes.Iturralde@LA.GOV, Lynda Carroll/R6/USEPA/US@EPA, Maria Martinez/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Markj Thomas/R7/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matt Taylor/R4/USEPA/US@EPA, michele.laur@wdc.usda.gov, Miguel Flores/R6/USEPA/US@EPA, Mike McAteer/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Myron Knudson/R6/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Nicolas Brescia/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Pam Phillips/R6/USEPA/US@EPA, Patrick Young/R6/USEPA/US@EPA, Paulette Johnsey/R6/USEPA/US@EPA, peggy.hatch@la.gov, R6 DWH REOC PSC@EPA, Adam Adams/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Brandi Todd/R6/USEPA/US@EPA, Chris Perry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Christopher Ruhl/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Donaldp Smith/R6/USEPA/US@EPA, Eric Delgado/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Greg Fife/R6/USEPA/US@EPA, James Staves/R6/USEPA/US@EPA, Jhana Enders/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, Jon Rinehart/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark Hayes/R6/USEPA/US@EPA, Mike McAteer/R6/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Nicolas Brescia/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Rita Engblom/R6/USEPA/US@EPA, Roberto Bernier/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Steve Mason/R6/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Warren Zehner/R6/USEPA/US@EPA, William Rhotenberry/R6/USEPA/US@EPA, Richard Mayer/R6/USEPA/US@EPA, Richard Wayland/RTP/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Sam Becker/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA, Scott Hayes/R7/USEPA/US@EPA, Shane Hitchcock/R4/USEPA/US@EPA, Sherry Fielding/DC/USEPA/US@EPA, Stephen Gilrein/R6/USEPA/US@EPA, Steve Mason/R6/USEPA/US@EPA, Steve Page/RTP/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Suzanne Murray/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Timothy Curry/R7/USEPA/US@EPA, Vernon Jackson/R6/USEPA/US@EPA, Warren Zehner/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Luthans/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA, Philip Turner/R6/USEPA/US@EPA, Christopher Ruhl/R6/USEPA/US@EPA, EOC Situation Unit@EPA, Valmichael Leos/R6/USEPA/US@EPA, Michele Conlon/RTP/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Janie Acevedo/R6/USEPA/US@EPA, Iantha Maness/OIG/USEPA/US@EPA, Craig Clinton/R5/USEPA/US@EPA, Jean Bloom/R1/USEPA/US@EPA, Edwin Debiew/R6/USEPA/US@EPA, brad.morgan@westonsolutions.com, Marc Greenberg/ERT/R2/USEPA/US@EPA, Gregory Lyssy/R6/USEPA/US@EPA

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Su Deepwater Horizon Incident Situation Report #36

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Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 36**
 Deepwater Horizon Incident, Gulf of Mexico
Date: June 2, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 31, 2010 0700 – June 3, 2010 0700
Reporting Period: June 1, 2010 1300 – June 2, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 06/02:
 - 18,018 personnel and 1,783 offshore vessels are currently responding to the incident.
 - Over 2 million feet of containment boom and 2.1 million feet of sorbent boom have been deployed.
 - Over 338,848 barrels of an oil-water mix have been recovered.
 - On 6/01, 4 controlled burns were conducted. A cumulative total of 125 controlled burns have been conducted.
 - On 6/03, BP plans to finish diamond saw cut on riser, and begin placing LMPR cap over top of BOP.

Surface	11,686	755,893
Subsurface	13,122	238,530

2.1 (USCG) Incident Command Post (Houma, LA).

- EPA coordinated a meeting with OSHA on 6/1 with Department of Labor, CDC, Incident Command and NIH / NIEHS to discuss hazard and Risk Communication for Responders and Public, and combining and reporting air sampling and monitoring data to concerned parties and public.
- EPA personnel participated in tour with EPA Administrator Jackson on 6/1 of the Unified Command Houma Facility, including a SCAT briefing and situational update.
- EPA coordinated with BP waste team on regional office questions to Waste Plan and Waste Tracking.
- EPA attended town hall meeting in Slidell, LA to answer questions for the public.
- EPA Data Management Team proposed to BP Health and Safety to post all of their air monitoring and sampling data to SCRIBE.
- EPA continued processing and verifying subsurface NOAA SMART data that is being produced daily off-shore. EPA also continued refining the data deliverable process for this data.
- USCG is being inserted into SCAT teams, and the documentation of the SCAT process is being tightened up.

2.2 (USCG) Area Command Post (Robert, LA)

- EPA coordinated with USCG and BP personnel to institute a process for streamlining BP notification to EPA of forthcoming request for dispersant approval.
- EPA staff made a supplemental request to BP for results of air monitoring data associated with health and safety of cleanup workers.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - V02;
 - Boothville, LA - V03;
 - Fort Jackson, LA - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - located at Fire Station number 8;
 - Chalmette, LA - C04 - located at Fire Station on Aycock St.;

- Hopedale, LA, - located at Fire Station number 11.
- Each Venice and Chalmette air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors);
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canister - sample for VOCs.
 - EPA continues to conduct air monitoring and sampling in the Grand Isle operations area (VOCs)
 - Fourchon, LA - GI01 - Fourchon Beach
 - Grand Isle, LA - GI02 - located at Grand Isle State Park
 - Each Grand Isle air sampling locations is equipped with 1 Summa Canister for VOC sampling.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
 - The Data Manager discovered a data gap while down loading 5/31/10 data during the morning of 6/1/10. The gap occurred from 0900-1300 at stations C04 and C05, for the AreaRAE data. The gap was due to an extremely heavy thunderstorm in the area. On 5/31, the Chalmette air sampling team began assembling and calibrating a high volume air sampling instrument with a PUF attached head. The instrument will be utilized to collect air samples onto a PUF filter media for semi-volatile organic materials. The team will begin sampling on 6/02.
 - The Chalmette air sampling team is currently setting up and calibrating a high volume air sampling instrument with PUF attached head. The instrument will be utilized to collect air samples onto a PUF filter media for semi-volatile organic materials. The team will begin sampling on 6/1/10.
- Venice MultiRae unit 21154 was deployed during two different monitoring shifts at two different Stations (V02 and V03). At each location the instrument logged that H2S was detected between 0.2 and 0.6 ppm. Based on the fact that Unit 21154 reported similar readings at two different locations, and other MultiRae instruments did not record elevated readings, it is believed that the elevated H2S data from MultiRae 21154 was a result of false positive detections or sensor drift.
- Venice Night-Ops crews reported 2 H2S exceedances of the site specific action levels established for air quality. Crews noted no sulfur odors. Activities in the area may have contributed to false positive readings. Exceedance will be investigated and discussed in the next SitRep.

noted no sulfur odors. Activities in the area may have contributed to false positive readings. Exceedance will be investigated and discussed in the next SitRep.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/31
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	3	3	6
Grand Isle	-	-	2	-	2
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	324	192	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - On 6/1, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating.
 - After reviewing the SCAT maps for the area, the Cocodrie Water Operations Team concentrated their 6/1/10 efforts in coastal areas of Terrebonne parish, in Terrebonne Bay. The team collected water and 1 sediment sample from the Bay and Timbalier Island.
 - On 6/1/10, personnel and resources were mobilized to the Grand Isle area to conduct reconnaissance and sampling activities.
 - The Grand Isle team coordinated with BP cleanup contractors on 6/1 to collect samples from the area's most heavily impacted by the spill. At the time of this report, the team has not contacted the regional command post to report their sampling numbers.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 6/1
Venice	8	0	8
Chalmette	0	0	0
Cocodrie	4	1	5
Grand Isle	3	0	3
TOTAL TO DATE	240	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 6/01, TAGA performed mobile monitoring for oil dispersant indicator compounds in Southern MS and AL and FL Panhandle - Stennis Space Center to Perdido Key, FL.
 - On 6/02, TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA - Stennis Space Center to Hopedale, LA; Delacroix, LA and Bohemia, LA

2.6 ASPECT

- On 6/02, ASPECT began a flight along a 60 mile length of beach from Bastian Island to Timbalier Island.
- On 6/02, ASPECT documented 5 boats conducting skimming operations in the rig area. The crew reported that oil in the rig area displayed a layered appearance.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Robert, LA	Houma, LA	New Orleans,	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle,	Slidell, LA	TOTALS
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nel	Dallas, TX		Robert, LA	Houma, LA	LA	Chalmette, LA	Venice, LA	Cocodrie, LA	LA	Slidell, LA	TOTALS
EPA											
- OSC	4		2	1		1	1	1	1		11
- RSC	13			1							14
- PIO			1								1
- Other	4		1		1						6
STAR T	6		1	1		12	19	3	2		44
ERT Contra ctor											
TAGA Person nel										5	5
ASPE CT Person nel										4	4
Other											
TOTALS	27		5	3	1	13	20	4	3	9	85

Deployed Equipment

Equipment	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
Mobile Command Post						1				1
ASPECT									1	1
TAGA Bus									1	1
LRV		1			1					2
Gooseneck Trailer						1				1
20 KW Generator						1				1
Boat (R7)								1		1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/Purchase Spent	TOTAL Estimated Expenditure	Balance (Ceiling minus Expenditures)	TOTAL Contract/Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-Ob Dollars Re
USCG PRFA FPN N10036 \$7,178,429 Total \$1,000,000 4/28/10	\$6,345,853	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,

\$7,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/17/10 \$2,000,000 5/28/10	\$6,345,853	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,
TOTAL OPA FUNDED	\$6,345,853	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,
Region 6 Indirect Rate 13.12%	\$832,576								
Louisiana Total	\$7,178,429	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,

- Currently redistributing funds between different activities to ensure all activities are funded through the remainder of the period of performance.

Frank Brockett
Programmer / Analyst II
Weston Solutions, Inc.
 14160 Dallas Parkway, Ste 850
 Dallas, Texas 75254
 (469) 374.7720 Direct
 (214) 755.4547 Cell
frank.brockett@westonsolutions.com

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: R6 AFGE@EPA
To:
Date: 06/02/2010 05:05 PM
Subject: All R6 EPA Employees Must Certify - Instructions for Gulf of Mexico Oil Spill Document Preservation / Litigation Hold.

BU MEMBERS,

In the last couple of weeks we have heard from many BU members regarding concerns they have over the above referenced AEM that came out May 13, 2010.

The Union met with Management last Friday to discuss, among other things, the possible impacts of the records retention changes and consequences of employees **not certifying Receipt/Reading/Understanding** the memo.

Although we did not get all of our concerns addressed, Management did agree to conduct formal training for employees to better explain their role and responsibilities with respect to the records retention/production requirements outlined in the AEM, which were at best vague and ambiguous.

For employees who are uncomfortable certifying understanding the AEM, the AFGE Local 1003 Executive Board recommends sending an email to your supervisor acknowledging that you have **Read and Received** the AEM, but don't fully understand the implications/ramifications, and ask for formal training to that effect.

(For employees who have already submitted their certification, but were uncomfortable doing so, the Union recommends sending the same email as above to your supervisor for the record.)

Fraternally yours,

Jeanne Schulze, President
AFGE Local 1003

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Peggy Foster <pfoster@tamu.edu>

To: SGRFP@LISTSERV.TAMU.EDU
Date: 06/03/2010 07:52 AM
Subject: Rapid Response Research Grants Available for Gulf of Mexico Oil Spill Research

Please see the information on NSF's Rapid Response Research Grants Available for Gulf of Mexico Oil Spill Research (see link below). Please distribute as you see fit.

http://www.nsf.gov/pubs/2010/nsf10060/nsf10060.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Peggy Foster
Assistant to Director
Sea Grant College Program
2700 Earl Rudder Freeway South, Suite 1800
College Station, TX 77845
Phone: 979/845-1245
FAX: 979/845-7525
Email: pfoster@tamu.edu

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Suea Davis/R6/USEPA/US

To:

Adele Cardenas/R6/USEPA/US@EPA, Cheremenia Fry/R6/USEPA/US@EPA, Gaynelle Redd/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Paula Flores/R6/USEPA/US@EPA, Sherry Lawrence/R6/USEPA/US@EPA, Suea Davis/R6/USEPA/US@EPA, Van Kozak/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Barbara Schrodt/R6/USEPA/US@EPA, Lashunda Brown/R6/USEPA/US@EPA, Troy Hill/R6/USEPA/US@EPA, Gilbert Tellez/R6/USEPA/US@EPA, Jose Rodriguez/R6/USEPA/US@EPA, Salvador Gandara/R6/USEPA/US@EPA, Adrian Cortez/R6/USEPA/US@EPA, AshleyA Howard/R6/USEPA/US@EPA, Betty Shiner/R6/USEPA/US@EPA, Dianne Sales/R6/USEPA/US@EPA, Edwina Rymer/R6/USEPA/US@EPA, Gene Wossum/R6/USEPA/US@EPA, Henry Liao/R6/USEPA/US@EPA, Javier Balli/R6/USEPA/US@EPA, Margaret Osbourne/R6/USEPA/US@EPA, Maurice Rawls/R6/USEPA/US@EPA, Michael Vaughan/R6/USEPA/US@EPA, Miriam Fisher-Hadley/R6/USEPA/US@EPA, Nasim Jahan/R6/USEPA/US@EPA, Ruben Camacho/R6/USEPA/US@EPA, Susanne Mann/R6/USEPA/US@EPA, Tyrone Hoskins/R6/USEPA/US@EPA, Velma Smith/R6/USEPA/US@EPA, Anthony Suttice/R6/USEPA/US@EPA, Arlene Gaines/R6/USEPA/US@EPA, Betty Ashley/R6/USEPA/US@EPA, Doris White/R6/USEPA/US@EPA, Freda Hardaway/R6/USEPA/US@EPA, George Craft/R6/USEPA/US@EPA, Henry Brewer/R6/USEPA/US@EPA, Kara Alexander/R6/USEPA/US@EPA, Leslie Rauscher/R6/USEPA/US@EPA, Marya Stanton/R6/USEPA/US@EPA, Melissa Galyon/R6/USEPA/US@EPA, Nikole Witt/R6/USEPA/US@EPA, Sharon Daugherty/R6/USEPA/US@EPA, Sondra McDonald/R6/USEPA/US@EPA, Sylvia Ritzky/R6/USEPA/US@EPA, Teresita Mendiola/R6/USEPA/US@EPA, Virginia Vietti/R6/USEPA/US@EPA, Randall Romig/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Maria Moreno/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Beverly Ethridge/R6/USEPA/US@EPA, Bobby Hernandez/R6/USEPA/US@EPA, Brad Lamb/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Diane Evans/R6/USEPA/US@EPA, Emily Brokaw/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Mike Bira/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Randall Rush/R6/USEPA/US@EPA, Renee Bellow/R6/USEPA/US@EPA, Russell Nelson/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, Dora Rodriguez/R6/USEPA/US@EPA, James Brown/R6/USEPA/US@EPA, Olivia-R Balandran/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Debbie Reynolds/R6/USEPA/US@EPA, Debora Browning/R6/USEPA/US@EPA, Karen Bick/R6/USEPA/US@EPA, Terry Branch/R6/USEPA/US@EPA, Timothy Herfel/R6/USEPA/US@EPA, Angel Kosfisz/R6/USEPA/US@EPA, Donald French/R6/USEPA/US@EPA, John Stadelman/R6/USEPA/US@EPA, Merylen Haynes/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Robert Kirkland/R6/USEPA/US@EPA, Diane Smith/R6/USEPA/US@EPA, Dorothy Brown/R6/USEPA/US@EPA, Evelyn Rosborough/R6/USEPA/US@EPA, Jenaie Franke/R6/USEPA/US@EPA, LaGayla Bradley/R6/USEPA/US@EPA, Stephanie Abbott/R6/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Teresa Clark/R6/USEPA/US@EPA, Joshua Waldmeier/R6/USEPA/US@EPA, Kay Schwab/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Michael Tillman/R6/USEPA/US@EPA, Monica Burrell/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Phillip Jennings/R6/USEPA/US@EPA, Richard Wooster/R6/USEPA/US@EPA, Rudy Molina/R6/USEPA/US@EPA, Syed Shahriyar/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA, Isaac Chen/R6/USEPA/US@EPA, Js Wilson/DC/USEPA/US@EPA, Larry Giglio/R6/USEPA/US@EPA, Maria Okpala/R6/USEPA/US@EPA, Nelly Smith/R6/USEPA/US@EPA, Paul Juarez/R6/USEPA/US@EPA, Rudy Molina/R6/USEPA/US@EPA, Scott Stine/R6/USEPA/US@EPA, Suzanna Perea/R6/USEPA/US@EPA, Syed Shahriyar/R6/USEPA/US@EPA, Curry Jones/R6/USEPA/US@EPA, Philip Hutchison/R6/USEPA/US@EPA, Quang Nguyen/R6/USEPA/US@EPA, Brian Mueller/R6/USEPA/US@EPA, LindaK Adams/R6/USEPA/US@EPA, Sala Senkay/R6/USEPA/US@EPA, Natalie Berry/R6/USEPA/US@EPA, Amy Camacho/R6/USEPA/US@EPA, Andrea Abshire/R6/USEPA/US@EPA, Andrew Waite/R6/USEPA/US@EPA, Arnold Bierschen/R6/USEPA/US@EPA, Blake Atkins/R6/USEPA/US@EPA, Damon McElroy/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Julie Hankinson/R6/USEPA/US@EPA, Ken Williams/R6/USEPA/US@EPA, Kim Ngo/R6/USEPA/US@EPA, Mark McCasland/R6/USEPA/US@EPA, Nancy Ho/R6/USEPA/US@EPA, Shirley Mlachak/R6/USEPA/US@EPA, Williamh Davis/R6/USEPA/US@EPA, Nichole Foster/R6/USEPA/US@EPA, Vanessa Kelly/R6/USEPA/US@EPA, Jatin Mistry/R6/USEPA/US@EPA, Angela Restivo/R6/USEPA/US@EPA, Brian Graves/R6/USEPA/US@EPA, Jose Torres/R6/USEPA/US@EPA, Ken-E Johnson/R6/USEPA/US@EPA, Lisa Pham/R6/USEPA/US@EPA, Michael Bechdol/R6/USEPA/US@EPA, Michael Overbay/R6/USEPA/US@EPA, Mike Frazier/R6/USEPA/US@EPA, Minnie Howard/R6/USEPA/US@EPA, Nancy Dorsey/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, Philip Dellinger/R6/USEPA/US@EPA, Ray Leissner/R6/USEPA/US@EPA, Robert Todd/R6/USEPA/US@EPA, Susie McKenzie/R6/USEPA/US@EPA, William Hurlbut/R6/USEPA/US@EPA

Date: 06/03/2010 10:46 AM

Subject: Request for SCAT members for Oil Spill - FAST TURNAROUND!!!!

Fw: Request for SCAT members for Oil Spill - FAST TURNAROUND!!!!

Dawn Ison

to:

06/03/2010 10:43 AM

Good Morning,

PLEASE READ CAREFULLY!

The National Oceanic and Atmospheric Administration (NOAA) is requesting assistance from EPA and Department of Interior (DOI) on Shoreline Cleanup and Assessment Teams (SCAT) for the Deepwater Horizons MC252 Oil Spill.

Please read the requirements carefully! You **MUST** meet **ALL** requirements in order to be eligible for deployment. If you do meet ALL the requirements, and are interested in participating, I **MUST** have an answer by 2pm TODAY (June 3, 2010). If you DO NOT meet the qualifications NO RESPONSE TO ME IS NEEDED. If you do respond, your qualifications will be checked and you will be placed on a list. This request is going out to all of EPA. Final determinations of who will be on the teams will be made as soon as possible and in coordination with OEM.

If you have any questions please send me an email or give me a call (not in office for in-person discussion). ison.dawn@epa.gov or 972-974-2075.

I will be submitting the Water Quality Division list to the RSC Coordinator at 3pm TODAY.

If you are eligible and agree to go, there is an expectation for multiple rotations, just a FYI.

Sorry for the short (lightening quick actually) turn around time but thank you in advance for your interest!

For those of you in the Division who are interested in the Response Support Corp (RSC), but have not signed up, please feel free to contact me!

Requirements for SCAT deployment:

TOTAL STAFF REQUESTED	25
BASELINE TRAINING REQUIRED	24 or 40 Hour HAZWOPER (must be current with 8 hour refreshers!!!)
ADDITIONAL TRAINING REQUIRED	SCAT Training (This is NOT the 2 Hr training provided to RSC staff back in May !!!) There will be a 2-day training offered 6/7-8/2010 in Mobile, AL)
DEPLOYMENT	2-3 Weeks of Field Deployment beginning in early to mid June 2010 - Multiple rotations possible
LOCATION OF DEPLOYMENT	Gulf Coast - LA, MS, AL, FL
MEDICAL MONITORING	Yes (this means you are actually in the EPA medical monitoring program and you are current! This does not include baselines done in say 2005 for example)

If someone is already trained in HAZWOPER and SCAT, they can be included on the list of volunteers. If they are HAZWOPER trained and available for the 6/7-8/2010 Training, they can be included.

Final decisions will be made in coordination with OEM. We plan to let folks that need the SCAT training know as early as possible on Friday so travel arrangements can be made. Financial arrangements are pending at this time, but will be available before deployment.

Original Request:

"Dana and Willie --

The purpose of this message is to request your assistance in representing the federal perspective during Shoreline Cleanup Assessment Teams (SCAT) surveys for the remainder of the Deepwater Horizon oil spill response.

My agency has been asked by the Unified Command to serve as the overall SCAT Coordinator. Part of this job involves arranging federal representation on each SCAT team. These teams conduct shoreline assessments to determine the extent of oiling and to make recommendations on appropriate cleanup methods. Each team must include a Federal representative, a state representative, and a representative of the Responsible Party.

NOAA staff have been able to fill this need so far, but as the area of impact grows and the release continues unabated, I feel it is prudent at this point to expand our capacity by reaching out to EPA and DOI. My objective is to increase the number of SCAT practitioners by about 25. I am primarily seeking people who are already trained in HAZWOPER (24-hour minimum) and have had

SCAT training and/or experience. They will participate on field teams to assess shorelines, collect/download data, and provide input and review on SCAT documents. An environmental science background is preferred and each person must be able to work in the field, and be comfortable with data collection, digging holes, and taking pictures. In order to maintain staffing continuity we also seek staff who can commit to working a two-week rotation followed by two to three weeks off, ideally for several rotations or perhaps even longer. Labor and travel for these deployments will be reimbursable as a response cost, and arrangements will need to be made on a case-by-case basis for reimbursing the donor program.

On a more immediate note, we are offering SCAT training in Mobile, AL on June 7-8 (next week) and we have space available for a few more people if there is interest. We are asking that whoever attends be able to commit to becoming a SCAT member in the near future. If you have anyone interested in this training, please let me know as soon as possible.

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☺ Be kind to the environment.

Please don't print this email unless necessary.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Karen McCormick/R6/USEPA/US
o
m:

To Jane Watson/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva

Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, William Honker/R6/USEPA/US@EPA

Cc
: R6 DWH REOC PSC@EPA, Renee Bellow/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA

Da 06/04/2010 03:44 AM
te:

Su 6WQ Situation Update daily Report #24
bje
ct:

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr
o Chris Llewellyn/R6/USEPA/US
m:

To Jane Watson/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark

Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, William Honker/R6/USEPA/US@EPA

Cc
: R6 DWH REOC PSC@EPA, Renee Bellow/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA

Da 06/04/2010 02:22 PM
te:

Su 6WQ Situation Update Daily Report #25
bje
ct:

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F
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m
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T Honker.William@epamail.epa.gov, Flores.Miguel@epamail.epa.gov, "Jane Watson" <watson.jane@epa.gov>, Crocker.Philip@epamail.epa.gov, Howell.Charlie@epamail.epa.gov, R6
o DWH EOC Water Desk@EPA, R6 6WQ-EC, Schaub.Mike@epamail.epa.gov, Hunt.Laura@epamail.epa.gov, "Matt Hubner" <Hubner.Matt@epamail.epa.gov>, "Melinda McCoy"

: <McCoy.Melinda@epamail.epa.gov>, "Doug Mundrick" <Mundrick.Doug@epamail.epa.gov>, "Chris Thomas" <thomas.chris@epa.gov>, "EOC_Water@epamail.epa.gov"
: <EOC_Water@epamail.epa.gov>

D 06/04/2010 04:46 PM
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Fw: Deepwater Horizon SitRep 06/04/2010
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bj
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FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Paige Delgado

Sent: 06/04/2010 02:40 PM CDT

To: Al Armendariz; Althea Foster; Ben Harrison; Betty Brousseau <Betty.Brousseau@LA.GOV>; Betty Williamson; bhattacharya.dipanjana@epa.gov; brad.morgan@westonsolutions.com; Carl Edlund; Carmen Assunto; Chad Nitsch; Charles Faultry; Chris Petersen; Chris Petersen; Christopher Ruhl; Craig Carroll; Craig Carroll; Craig Clinton; Cynthia Fanning; Dana Tulis; Daniel Odem <Daniel.Odem@LA.GOV>; daniel.odem@la.gov; Dave Mickunas; Dave Wright; David Bary; David Gray; David Neleigh; Dawn Ison; Debbie Dietrich; Deborah Ponder; Diane Taheri; Edwin Debiew; Edwin Quinones; elizabeth.doomes@westonsolutions.com; EOC Situation Unit; Eric Delgado; Eric Paisley; Eugene Lee; Gary Miller; Gary Moore; Gilberto Irizarry; Gregory Lyssy; Iantha Maness; Ivan Vikin; James Staves; Janie Acevedo; Janie Acevedo; Jean Bloom; Jeannine Hale; jeff.meyers@la.gov; Jeffrey Clark; Joe Schaefer; John Blevins; John Martin; Karen McCormick; Kenneth Buchholz; Kevin Mould; Laura Hunt; Lawrence Starfield; Lindsay.maloan@la.gov; Lisa Boynton; Lourdes.Iturralde@LA.GOV; Lynda Carroll; Marc Greenberg; Maria Martinez; Mark Hansen; Mark Hansen; Markj Thomas; Matt Hubner; Matt Taylor; Melinda McCoy; Michele Conlon; michele.laur@wdc.usda.gov; Miguel Flores; Mike McAteer; Minerva Rojo; Myron Knudson; Nancy Jones; Nicolas Brescia; Omar Martinez; delgado.paige@epa.gov; Pam Phillips; Patrick Young; Paulette Johnsey; peggy.hatch@la.gov; Philip Turner; R6 DWH REOC PSC; R6 OSC; Richard Mayer; Richard Wayland; Ronnie Crossland; Ronnie Crossland; Sam Becker; Sam

Coleman; Scott Hayes; Shane Hitchcock; Sherry Fielding; Stephen Gilrein; Steve Mason; Steve Page; Susan Webster; Susan Webster; Suzanne Murray; Terry Burton; Timothy Curry; Valmichael Leos; Vernon Jackson; Warren Zehner; William Honker; William Luthans; Wren Stenger

Subject: Deepwater Horizon SitRep 06/04/2010

Deepwater Horizon Incident, Gulf of Mexico Region 6 REOC Update

Subject: **Region 6 Update # 38**
 Deepwater Horizon Incident, Gulf of Mexico
Date: June 4, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 3, 2010 0700 – June 6, 2010 0700
Reporting Period: May 3, 2010 1300 – June 4, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 06/04:
 - 19,217 personnel and 1,876 offshore vessels are currently responding to the incident.
 - Over 2.04 million feet of containment boom and 2.30 million feet of sorbent boom have been deployed.
 - Over 356,000 barrels of an oil-water mix have been recovered.
 - On 6/03, no controlled burns were conducted. A cumulative total of 126 controlled burns have been conducted.
 - On 6/03, BP continued Top Cap operations by completing the shear cut of the riser and installing the Lower Main Riser Package hat.
 - On 6/03, the Enterprise began conducting oil recovery operations. Enterprise plans to continue oil recovery operations of 6/04.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 6/03 (gal.)	CUMULATIVE TOTALS as of 6/03 (gal.)
Surface	6,200	765,468
Subsurface	10,241	256,216

2.1 (USCG) Incident Command Post (Houma, LA).

- On 6/03, EPA met with NOAA personnel at Houma Command to discuss their potential need for SCAT assistance.
 - BP reported using approximately 1900 gallons of aerial dispersants on 6/03 in the area north and east of the source location.
- No controlled burning operations were conducted on 6/03.

2.2 (USCG) Area Command Post (Robert, LA)

- On 6/03, EPA continued to coordinate with NOAA and BP to ensure that data collected on vessels is being captured and distributed appropriately.

2.3 REOC (Dallas, TX)

- On 6/04, the EPA DATA team will provide a Google Earth file which will include layer files for sample locations and location types for public dissemination. Within the file, the DATA team will also provide layer files for the TAGA data through 5/31/2010 and a link to the EPA ASPECT. They will also provide layer files to the NGA services for Boom and the Oil spill extent. By 6/11, The DATA team will provide photos and a link to the EPA.GOV BP spill site and provide a timeline for rolling out additional links for Data or other response information.

2.4 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - V02 – located at USCG;
 - Boothville, LA - V03 – located at Welding Supply Co.;
 - Fort Jackson, LA - V05 – located at Fort Jackson, LA.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - C02 - located at Fire Station number 8;
 - Chalmette, LA - C04 - located at Fire Station on Aycock St.;
 - Hopedale, LA, - C05 - located at Fire Station number 11.
- Each Venice and Chalmette air monitoring location has 5 pieces of air equipment:
 - EBAM (Particulate Monitors);
 - AreaRae/MultiRae - monitoring VOCs;
 - MiniRae - monitoring VOCs/H₂S/CO/O₂;
 - PQ200 - samples for PM2.5;
 - SUMMA Canister - sample for VOCs.
 - Air Monitoring Locations C04 and V02 are also each equipped with 1 Polyurethane Foam (PUF) High Volume Air Samplers for SVOC sampling.
 - EPA continues to conduct air monitoring and sampling in the Grand Isle operations area (VOCs)
 - Fourchon, LA - GI01 - Fourchon Beach
 - Grand Isle, LA - GI02 - located at Grand Isle State Park
 - Each Grand Isle air sampling locations is equipped with 1 Summa Canister for VOC sampling.
 - The Grand Isle Air Team plans to establish an additional air monitoring/sampling location equipped with a PUF High Volume Air Sampler when access is gained to the appropriate property.
- Air monitoring and sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 hours each day and available to EPA Headquarters, REOC, and external response partners.
- Air monitoring exceedences of the VOC action level were noted for Location V03 at 1500 hours and for Location V05 for 1600 hours. The exceedences were caused by instrument failure due to rain events.
- Data gaps were noted for Location C04 from 0900 hours to 1200 hours for oxygen and VOCs. Data gaps were also noted for Locations C05 from 0900 hours to 1000 hours for oxygen and VOCs. The cause of the data gaps is currently under review.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	PUF	TOTALS FOR 6/03
Venice	3 locs/24-hr	3 locs/24-hr	3	3	1	7
Chalmette	3 locs/24-hr	3 locs/24-hr	3	3	1	7
Grand Isle	-	-	2	-		2
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	324	192	2	

*QAQC samples not included in sample count

2.5 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
 - On 6/03, Venice Water Operations Team 1 collected 5 water samples from previously sampled locations near Pass A Loutre. The team also conducted reconnaissance activities for oil impacted areas near the sample locations.
 - On 6/03, Venice Water Operations Team 2 collected 3 water samples from locations along the western coastline of Venice, LA. The team also conducted reconnaissance activities for oil impacted areas near the sample locations.
 - On 6/03, the Grand Isle Water Operations Team collected 1 water sample and 1 oil sample from oil impacted areas in the Grand Isle area.
 - On 6/03, the Cocodrie Water Operations Team cancelled daily operations due to severe thunderstorms in the area.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 6/03
Venice	8	0	8
Chalmette	0	0	0
Cocodrie	0	0	0
Grand Isle	2	0	2
TOTAL TO DATE	239	71	

*QAQC samples not included in sample count

2.6 TAGA

- On 6/03, TAGA performed mobile monitoring for oil dispersant indicator compounds in southern MS and AL from Dauphin Island, AL to the Stennis Space Center. No oil dispersant indicator compounds were observed.
 - On 6/04, TAGA will perform mobile monitoring for oil dispersant indicator compounds in southern LA from the Stennis Space Center to Cocodrie, LA.

2.7 ASPECT

- On 6/03, ASPECT cancelled daily operations due to weather conditions.
- On 6/04, ASPECT began to fly over the western delta area. ASPECT reported the presence of heavy oil approximately 50 miles ESE of Venice, LA. ASPECT flew over the rig site and reported that the flare on the support ship is twice the size of previous observations.

2.8 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
EPA										
- OSC	4	2	1		1	1	1	1		11
- RSC	13		1							14

PIO		1								1
Other	4	1		1						6
START	9	1	1		12	16	3	12		54
ERT Contractor										
TAGAPersonnel									5	5
ASPECT Personnel									4	4
Other										
TOTALS	30	5	3	1	13	17	4	13	9	95

Deployed Equipment

[illegible]

LRV		1			1					2
Gooseneck Trailer						1				1
20 KW Generator						1				1
Boat (R7)								1		1

* One TAGA bus has been assigned to Region 4 Operations

4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditure	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-O Dollars R
USCG PRFA FPN N10036 \$7,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/17/10 \$2,000,000 5/28/10	\$6,345,853	\$780,703	\$260,610	\$3,893,408	\$4,934,721	\$1,411,132	\$5,245,278	\$248,916	
TOTAL OPA FUNDED	\$6,345,853	\$780,703	\$260,610	\$3,893,408	\$4,934,721	\$1,411,132	\$5,245,278	\$248,916	\$59
Region 6 Indirect Rate 13.12%	\$832,576								
Louisiana Total	\$7,178,429	\$780,703	\$260,610	\$3,893,408	\$4,934,721	\$1,411,132	\$5,245,278	\$248,916	\$59

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Piper Corp <piper@ESA.ORG>
To: ESANEWS@LISTSERV.UMD.EDU
Date: 06/04/2010 04:59 PM
Subject: ESA Policy News: June 4, 2010

ESA Policy News June 4, 2010

SENATE CLIMATE DEBATE: CRITICAL WEEKS AHEAD-OBAMA PREPARES TO PUSH FOR CLIMATE BILL AS REID MULLS
FLOOR DEBATE

GULF OIL DISASTER UPDATE

OIL DISPERSANTS: SCIENTISTS QUESTION WHETHER DISPERSANTS DO MORE HARM THAN GOOD; EPA RESTRICTS
APPLICATION, BOOSTS TESTING

OCEAN ACIDIFICATION: HOUSE DEMS CALL ON EPA TO COORDINATE NATIONAL EFFORTS TO ADDRESS ACIDIFICATION
UNDER CLEAN WATER ACT
CURRENT POLICY

=====

SENATE CLIMATE DEBATE: CRITICAL WEEKS AHEAD-OBAMA PREPARES TO PUSH FOR CLIMATE BILL AS REID MULLS
FLOOR DEBATE

Once Congress returns from Memorial Day recess next week, the Senate will tackle a number of climate-related issues, making clearer the prospects of a climate and energy bill this session. Several key events are on the calendar:

- * Senate Majority Leader Harry Reid (D-NV) plans to discuss climate legislation with contributing committee leaders next week and with all 59 Senate Democrats the following week.

- * On June 9, the US Environmental Protection Agency (EPA) will deliver the results from its economic analysis of the Kerry-Lieberman climate proposal, the American Power Act.

- * On June 10, the Senate will vote on a resolution from Senator Lisa Murkowski (R-AK) to strip EPA of

its authority to regulate greenhouse gasses under the Clean Air Act. The resolution would need 51 votes to pass-currently, it has 41 cosponsors, including three Democrats. For more information, see the January 22 edition of the ESA Policy News at: <http://www.esa.org/pao/policyNews/pn2010/01222010.php>

The coming weeks will be central in determining the fate of climate legislation this year. Reid won't hold a floor debate unless he believes the bill can earn the 60 votes needed to pass-a feat that will be increasingly difficult as midterm elections approach. But President Obama has vowed to become more directly involved in rounding up votes, giving some supporters new cause for optimism.

In a June 2 speech, President Obama pledged to lobby for comprehensive climate and energy legislation in the Senate. "The votes may not be there right now" he said, "but I intend to find them in the coming months. I will continue to make the case for a clean-energy future wherever and whenever I can. I will work with anyone to get this done. And we will get it done."

Obama continued to connect the urgency of the climate bill with the Gulf of Mexico oil disaster, though he also maintained that offshore oil production will have a role in the nation's energy strategy as a "short-term solution while we transition to a clean-energy economy." To this end, he called for eliminating billions of dollars in tax breaks for oil companies, redirecting the money to fund low-carbon energy research and development.

Key players like the Senate bill's lead author John Kerry (D-MA) interpreted the remarks as a signal that the President is prepared to go to bat for climate in the Senate the way he did in the House. Others remain skeptical, however, noting that Obama's phrasing remains, according to an industry representative, "less emphatic than that employed for health care."

Meanwhile, a coalition of major industry companies-many affiliated with the US Climate Action Partnership (US CAP)- have been urging Washington to move forward with a climate and energy bill. In a recent letter to Obama and Senate leadership, companies including Ford, General Electric, Shell, and Google called for a bipartisan bill that "increases our security, limits emissions, and protects our environment while preserving and creating American jobs." A number of trade, labor and environmental groups also signed on.

GULF OIL DISASTER UPDATE

In an effort to retake ownership for the ongoing oil leak in the Gulf of Mexico, the Obama Administration has halted new offshore drilling, cancelling a proposed lease sale off the coast of Virginia and suspending two upcoming exploration projects off the coast of Alaska, as well as 33 deepwater drilling operations in the Gulf. The administration had just announced the Virginia and Alaska expansions in March.

After the Gulf leak began, Obama placed a moratorium on deepwater drilling until 2011-he now plans to extend the moratorium until the independent commission created to investigate the disaster and recommend improvements can complete its work.

Said Interior Secretary Ken Salazar, "We simply will not allow any more deepwater drilling until we can ensure it is done safely." But both Salazar and Obama have been clear that offshore drilling will continue to be part of the US energy portfolio, given the nation's goal of energy independence. "The place where you have reserves is in the outer continental shelf," Salazar said. Ongoing production activity will still be allowed-Obama has lifted the ban on shallow-water (less than 500 feet) drilling-as will production

activity in deep waters. On June 2, the Minerals Management Service (MMS) granted the first new drilling permit in the Gulf of Mexico since the ban was lifted. A number of additional projects have received permits with environmental waivers since the moratorium went into effect, earning criticism from lawmakers like Maryland Senator Ben Cardin (D-MD).

In spite of the far-reaching and noncontroversial impacts of the Deepwater disaster, Washington, DC has remained largely divided along party lines as lawmakers work to respond-and to attribute blame. Democrats have taken the opportunity to criticize the oil industry and champion clean energy and environmental reform, while Republicans have favored economically viable industry accountability and focused on protecting coastal jobs and resources-the parties have also sought to place blame on opposite administrations. But some are breaking ranks, and Obama has received both criticism and praise from all directions. Michigan Representative John Dingell-a conservative Democrat-joined environmental groups in calling Obama's efforts inadequate-"We need to establish a complete moratorium on all leasing and all drilling activities," he said. Drilling advocate Senator James Inhofe (R-OK), meanwhile, saw Obama's efforts in a more positive light. "I was encouraged that Presid!

ent Obama reiterated his support for offshore oil production as a necessary component of America's energy mix," he said in a statement. "This is essential for our national security, and I support revisiting existing policies to ensure we do this in an environmentally responsible manner."

And Obama himself has been taking responsibility for some missteps in the federal disaster response, particularly in terms of quantifying its extent. "This is an area," he said, "where I do think our efforts fell short. It took too long for us to start up our flow-tracking group that has now made these more accurate ranges of calculation."

Previously, administration officials had stood by BP estimates, saying it was more important to stop the leak than to measure it. But US Geological Survey Director Marcia McNutt recently discredited BP's assertion that the equivalent of 5,000 barrels (roughly 210,000 gallons of oil) were leaking into the Gulf each day. McNutt said recent studies put the figure somewhere between 12,000 and 19,000 barrels per day (one USGS measurement method returned an estimate of 25,000 barrels per day), making the Deepwater Horizon disaster the worst of its kind in US history.

The hurricane factor: The full impact of the leak will remain unknown for some time and could be complicated further by what the National Oceanic and Atmospheric Administration (NOAA) predicts will be an "active to extremely active" hurricane season, which is expected to include between three and seven major hurricanes-those with winds above 110 mph. An average hurricane season includes two such storms. This year's record warm sea surface temperatures and a weakening El Niño (stronger wind shear can break up storms) give scientists reason to believe that the trend of high storm activity will continue to worsen. A storm that passes through the Gulf could spread additional oil along the coast-something that will likely have the most severe impact on marshes, wetlands and other areas that had previously been uncontaminated. More developed areas are contaminated by a variety of pollutants every hurricane season, and existing response plans are well-suited for this kin!

d of cleanup. Alternately, it's possible that a hurricane could dilute and disperse the oil, lessening its potency.

The Obama administration has also been vocal about reform in MMS, the agency in charge of overseeing drilling in the Gulf. Recent reports have exposed high levels of fraternization between MMS officials and oil companies, ranging from gift giving to illegal drug use. Many federal inspectors grew up in the area and began their careers as oil and gas workers, resulting in significant conflicts of interest as they oversaw

the work of lifelong friends who remained in the industry. One MMS source reported that industry workers on the platform had filled out inspection forms, which MMS inspectors would then sign and submit. Secretary Salazar called such actions "reprehensible" and vowed to take appropriate personnel actions. He also signed a secretarial order to divide MMS into three separate branches: the Bureau of Ocean Energy Management, the Bureau of Safety and Environmental Enforcement, and the Office of Natural Resources Revenue. The reshuffling also eliminated th!

e post of MMS head Liz Birnbaum, who was forced to resign the following week after only 11 months at the post.

For previous information on the Gulf disaster, see the May 21 edition of the ESA Policy News at <http://www.esa.org/pao/policyNews/pn2010/05212010.php>

OIL DISPERSANTS: SCIENTISTS QUESTION WHETHER DISPERSANTS DO MORE HARM THAN GOOD; EPA RESTRICTS APPLICATION, BOOSTS TESTING

In an effort to mitigate environmental damages from the ongoing oil leak, BP has applied close to a million gallons of dispersants-chemicals that break up large masses of oil before they reach coastal areas and wetlands-both via deep-sea injection and surface spraying.

But the long-term impact of the chemicals, particularly when applied at what could be a world-record scale, has resulted in opposition from many scientists and environmentalists. Of particular concern are the oil's aromatic hydrocarbons, which can be consumed by fish once they are broken up by dispersants. Studies indicate that these hydrocarbons harm marine organism reproductive systems and disrupt larvae development, leading to worries that dispersants could be exacerbating rather than ameliorating negative impacts on marine food webs and ecosystems.

The US Environmental Protection Agency (EPA) recently ordered BP to limit dispersant application to 15,000 gallons per day-a dramatic reduction-and began work to ramp up day-to-day testing efforts.

Some scientists argue that the use of dispersants is the only viable option for dealing with the ongoing oil leak. But while the dispersants have apparently reduced coastal impacts and the need for shoreline cleanup, oil slicks are still reaching shallow waters resulting in the "worst of both worlds," as one observer put it.

EPA already faces a lawsuit for authorizing the use of oil dispersants without first ensuring that the chemicals wouldn't harm endangered species or their habitats. An intent-to-sue notice from the Center for Biological Diversity asks EPA and the Coast Guard to immediately study the effects of dispersants on protected species.

OCEAN ACIDIFICATION: HOUSE DEMS CALL ON EPA TO COORDINATE NATIONAL EFFORTS TO ADDRESS ACIDIFICATION UNDER CLEAN WATER ACT

Representatives Lois Capps (D-CA), Sam Farr (D-CA), and Jay Inslee (D-WA) are leading a 44-member group of House Democrats in urging the US Environmental Protection Agency (EPA) to take a leadership role in

addressing ocean acidification under the Clean Water Act (CWA). .

Scientists estimate that the acidity of ocean water has increased by 30 percent since widespread fossil fuel use began. A number of studies have indicated that rising acidity is already having significant impacts on marine life, particularly on animals with calcium carbonate shells, like shellfish and coral.

The group sent a letter to EPA Administrator Lisa Jackson stating that Congress intended the CWA to restore and maintain ocean waters, which are critical to marine life and the fishing industry. The letter calls on the agency to provide "a framework for national and state coordination to reduce carbon dioxide emissions and address the impacts of ocean acidification."

Many states are working to address rising acidity in fresh waters, but EPA hadn't moved to take on ocean acidification until prompted by an environmental group lawsuit last March. As part of the settlement, EPA committed to working on guidance for states, something that environmentalists hope will lead to acidification (and, potentially, carbon dioxide) regulations under the CWA.

As part of this commitment, EPA requested public comment on measuring and regulating ocean acidification at the state level (for more information, see the "Opportunity for Input" article in the May 7 edition of the ESA Policy News:

<http://www.esa.org/pao/policyNews/pn2010/05072010.php>) The House Democrats submitted their letter as part of this process.

Signatories include lawmakers with potential influence over EPA, such as Select Committee on Global Warming Chairman Edward Markey (D-MA), Oceans Subcommittee Chairwoman Madeleine Bordallo (D-Guam), and Representative Maurice Hinchey (D-NY), who sits on the spending committee that oversees EPA funding.

CURRENT POLICY

JUST INTRODUCED

* Offshore fish farms: A recent bill from Senator David Vitter (R-LA) would place a 3.5-year federal moratorium on offshore aquaculture, calling on the National Oceanic and Atmospheric Administration (NOAA) to first research and report on the environmental and economic impacts of offshore fish farms. Currently, US aquaculture takes place primarily in freshwater and near-shore facilities-open-ocean aquaculture is a relatively new approach in which massive cages are used to farm saltwater species. Some of these facilities are being commercially operated off the coasts of Hawaii and Puerto Rico, but a federal permitting system would be necessary for the industry to take off. NOAA-under both the George W. Bush and Obama administrations-has consistently supported such a plan. Meanwhile, a regional fisheries council had made significant progress in opening parts of the Gulf of Mexico to commercial fish farms (for more information, see the June 19, 2009 edition of the ES!

A Policy News at: <http://www.esa.org/pao/policyNews/pn2009/06192009.php>) NOAA allowed the plans to move forward, but has not yet written any regulations to implement them. As is often the case, the Administration favors a national plan over a regulatory patchwork, though a region-by-region approach remains an option, particularly if Congress votes against offshore aquaculture legislation. But Vitter argued that the new operations would be too risky, especially in light of the ongoing oil leak in the Gulf. "It's clear that the marine environment, particularly off the coast of Louisiana, cannot handle any more

stress as it begins its recovery from the ongoing oil spill," he said.

UNDER SUBCOMMITTEE REVIEW

* DOD Natural Resources (HR 5284): Legislation from Del. Madeline Bordallo (D-Guam) would require National Guard installations to develop comprehensive plans for coordinating and carrying out wildlife and natural resources conservation efforts. The 1960 Sikes Act already requires such plans for lands controlled by the Department of Defense (DOD); National Guard facilities are typically on state-owned land. Like the Sikes Act, HR 5284 would make it possible for land management plans approved by federal biologists to stand in for critical habitat designations. (The Endangered Species Act uses critical habitat to denote and protect areas occupied and/or important to imperiled species.) Plans that biologists deem beneficial to endangered species would eliminate the need for such designations, allowing environmentally friendly training operations to proceed. DOD has been generally supportive of the bill-in a House Natural Resources subcommittee hearing, leadership from ! the department's Environmental Management office said the HR 5284 "would improve our ability to manage natural resources on 45 installations totaling 467,650 acres in 29 states and territories." But DOD did express concern about provisions to expand the military's role in addressing invasive species, given how widespread invasions can be. In its current form, Bordallo's bill would create invasive species management programming for all US bases and require that they be included in the broader land management plans.

=====

Sources: ClimateWire, Environment and Energy Daily, Greenwire, Politico, the Washington Post

Send questions or comments to Piper Corp, Science Policy Analyst, piper@esa.org or Nadine Lymn, ESA Director of Public Affairs, Nadine@esa.org

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients;

Date: 06/06/2010 08:32 AM
Subject: Minipost on misplaced blame for BP's shame

Folks-

This [mini-post](#) links to an article in *The Advocate* that includes energy industry acknowledgment of its dependence on the largest delta in North America.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Darryl_Clark@fws.gov
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Robert_Greco@fws.gov
Date: 06/06/2010 07:21 PM
Subject: Fw: BTNEP Boundary on Daily Map

Ken,

New response concerning adding the BTNEP boundary to the SCAT maps. They are now saying that it would make the map too cluttered but they can make a 2nd map. What does EPA want to do?

Darryl

----- Forwarded by Darryl Clark/R4/FWS/DOI on 06/06/2010 07:19 PM -----

"Greco, Robert" <Robert_Greco@fws.gov>

"Clark, Darryl" <darryl_clark@fws.gov>

06/05/2010 11:47 AM

To

cc

FW: BTNEP Boundary on Daily Map

Subject

From: Greco, Robert
Sent: Fri 6/4/2010 6:15 AM
To: Clark, Darryl
Subject: BTNEP Boundary on Daily Map

Darryl –

We could do a second map, Jason Duke – Lead for Region 4 GIS support has had many request for other boundaries to be put on the map, if all of the boundaries are put then the map will become overwhelmed with data. We could do a second map with BTNEP boundary if desired. Let me know.

From: Jason_Duke@fws.gov [mailto:Jason_Duke@fws.gov]
Sent: Thursday, June 03, 2010 9:21 AM
To: Greco, Robert
Cc: Snider, Kurt; Jim Besley; Lewis, Jacob
Subject: Re: Two Other Things

I can go with the parish boundaries, but I don't want to add the EPA BTNEP boundary. I don't think it is a critical part of the map. I am fine with your suggestion of a second map that you produce to satisfy that party. There are so

many boundaries and so little map to work with.

My thought for the day is this.... we should probably take the initiative to either make a second map that covers the 3 MS Counties, 2 AL Counties and the FL Panhandle counties to show the oiled areas that are appearing (or will soon be there). We are probably better prepared to do this than the folks in Mobile. Your thoughts? We should contact Holzman and Mark E in Mobile and offer our services.

Jason Duke

Region 4 GIS Coordinator & Information Technology Specialist

US Fish and Wildlife Service

446 Neal Street

Cookeville, TN 38501

931-528-6481 ext.216 Phone

931-528-7075 Fax

jason_duke@fws.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: "Greco, Robert" <Robert_Greco@fws.gov>
To: <Darryl_Clark@fws.gov>, Kenneth Teague/R6/USEPA/US@EPA
Date: 06/06/2010 08:03 PM
Subject: RE: BTNEP Boundary on Daily Map

We will be more than happy to add the BTNEP boundary on mapping products that we could send out to your group, Kenneth.

We will be glad to help, how about calling so we can discuss.

Robert Greco

337.501.4004
337.789.9779

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 06/07/2010 09:08 AM
Subject: Fw: BTNEP Boundary on Daily Map

Karen- Recall my request to Darryl for fws to add the btnep boundary to the oil spill map, after Miguel expressed interest in that. I wonder if what they are now proposing would satisfy Miguel's request?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 09:06 AM -----

From: Darryl_Clark@fws.gov
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Robert_Greco@fws.gov
Date: 06/06/2010 07:21 PM
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Darryl

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06/05/2010 11:47 AM

To "Clark, Darryl" <darryl_clark@fws.gov>

cc

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To: Clark, Darryl
Subject: BTNEP Boundary on Daily Map

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Sent: Thursday, June 03, 2010 9:21 AM

To: Greco, Robert

Cc: Snider, Kurt; Jim Besley; Lewis, Jacob

Subject: Re: Two Other Things

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Jason Duke

Region 4 GIS Coordinator & Information Technology Specialist

US Fish and Wildlife Service

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931-528-6481 ext.216 Phone

931-528-7075 Fax

jason_duke@fws.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients;

Date: 06/07/2010 09:16 AM
Subject: My 4th post on the sand berm project

Folks-
Here's another post on scientific concerns about Gov. Jindal's Sandy Band-aid project.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Karen McCormick/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 06/07/2010 09:28 AM
Subject: Re: BTNEP Boundary on Daily Map

Ken - darryl was not able to do that.....check with our GIS people and see if they can add to atleast the CWPRRA map!!!

Chris can you work with Angel and see if this is even possible. Don't spend a enormous amount of time though. If it does not work....then I will just have to let Miguel know!!! Thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Kenneth Teague
Sent: 06/07/2010 09:08 AM CDT
To: Karen McCormick; Chris Llewellyn
Subject: Fw: BTNEP Boundary on Daily Map

Karen- Recall my request to Darryl for fws to add the btnep boundary to the oil spill map, after Miguel expressed interest in that. I wonder if what they are now proposing would satisfy Miguel's request?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 09:06 AM -----

From: Darryl_Clark@fws.gov
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Robert_Greco@fws.gov
Date: 06/06/2010 07:21 PM
Subject: Fw: BTNEP Boundary on Daily Map

Ken,

New response concerning adding the BTNEP boundary to the SCAT maps. They are now saying that it would make the map too cluttered but they can make a 2nd map. What does EPA want to do?

Darryl

----- Forwarded by Darryl Clark/R4/FWS/DOI on 06/06/2010 07:19 PM -----

"Greco, Robert" <Robert_Greco@fws.gov>

06/05/2010 11:47 AM

"Clark, Darryl" <darryl_clark@fws.gov>
To

cc

FW: BTNEP Boundary on Daily Map
Subject

From: Greco, Robert
Sent: Fri 6/4/2010 6:15 AM
To: Clark, Darryl
Subject: BTNEP Boundary on Daily Map

Darryl –

We could do a second map, Jason Duke – Lead for Region 4 GIS support has had many request for other boundaries to be put on the map, if all of the boundaries are put then the map will become overwhelmed with data. We could do a second map with BTNEP boundary if desired. Let me know.

From: Jason_Duke@fws.gov [mailto:Jason_Duke@fws.gov]
Sent: Thursday, June 03, 2010 9:21 AM
To: Greco, Robert
Cc: Snider, Kurt; Jim Besley; Lewis, Jacob
Subject: Re: Two Other Things

I can go with the parish boundaries, but I don't want to add the EPA BTNEP boundary. I don't think it is a critical part of the map. I am fine with your suggestion of a second map that you produce to satisfy that party. There are so many boundaries and so little map to work with.

My thought for the day is this.... we should probably take the initiative to either make a second map that covers the 3 MS Counties, 2 AL Counties and the FL Panhandle counties to show the oiled areas that are appearing (or will soon be there). We are probably better prepared to do this than the folks in Mobile. Your thoughts? We should contact Holzman and Mark E in Mobile and offer our services.

Jason Duke

Region 4 GIS Coordinator & Information Technology Specialist

US Fish and Wildlife Service

446 Neal Street

Cookeville, TN 38501

931-528-6481 ext.216 Phone

931-528-7075 Fax

jason_duke@fws.gov

[attachment "pic26299.gif" deleted by Karen McCormick/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Chris Llewellyn/R6/USEPA/US
To: Brad Crawford/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/07/2010 09:34 AM
Subject: Shoreline Impacts Map

Group,

I have attached a map produced by USFWS. It is an oil impact assessment map that maps the areas that oil has been observed on the shoreline. The map was generated on June 6, 2010. I thought this may be useful for CWPPRA planning purposes perhaps.

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 06/07/2010 09:36 AM
Subject: Fw: My 4th post on the sand berm project
cc:

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 09:36 AM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;
Date: 06/07/2010 09:16 AM

Subject: My 4th post on the sand berm project

Folks-

Here's another post on scientific concerns about Gov. Jindal's Sandy Band-aid project.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Tamara Mick/R6/USEPA/US
To: Mark Stead/R6/USEPA/US@EPA
Cc: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/07/2010 10:12 AM
Subject: Re: FYI the NOAA ship Mark Stead is on

mark - good to hear form you... not to worry.. i'll have my trusty dusty gov trap expert ken teague assist me... we'll have that voucher out in no time... as in NO TIME... dont get sea sick.. hope you have calm seas etc.. and the next article better mention you... and if you're interviewed dont forget to mention the underlings that got you where you are today...

Hey what gives they should be giving me some props. Hope all is well back in dallas, we are heading due east as we speak to about forty miles off the coast of pensacola before heading back west to galveston. Tammi get ready because i'm going to have the mother of all gov trip travel vouchers, it will include all the works, extra hotel stays, change flight plans from new orleans to galveston, taxi cabs, shuttles parking, you name.

Mark Stead
EPA Region 6
Water Monitoring and Assessment Section 6WQ-EA

(214) 665-2271
stead.mark@epa.gov

Re: FYI the NOAA ship Mark Stead is on [Link](#)

Tamara Mick

to: Paul Koska

06/07/2010 08:31 AM

Cc:

Mark Stead

thanks... they should have mentioned his name specifically in the article... "EPAs own Mark Stead... etc etc etc...."

Ship registry state the ship is 208 feet long

http://www.nextgov.com/nextgov/ng_20100603_8807.php?oref=rss?zone=NGtoday

----- Paul K.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Brad Miller <Brad.Miller@LA.GOV>
To: Jerome Zeringue <Jerome.Zeringue@LA.GOV>
Cc: Glen Curole <Glen.Curole@LA.GOV>, "Lejeune, Cassidy R." <clejeune@wlf.la.gov>, Todd Folse <Todd.Folse@LA.GOV>, Kenneth Teague/R6/USEPA/US@EPA, Shane Faust <Shane.Faust@LA.GOV>
Date: 06/07/2010 10:56 AM
Subject: RE: Whiskey Island completion work.
ct:

OK Great and I am working on a list of folks for the planting effort next week.

Brad Miller
Project Manager
Office of Coastal Protection and Restoration
Ph: (225) 342-4122
Fax (225) 342-9417

-----Original Message-----

From: Jerome Zeringue
Sent: Monday, June 07, 2010 10:51 AM
To: Brad Miller
Cc: Glen Curole; 'Lejeune, Cassidy R.'; Todd Folse
Subject: RE: Whiskey Island completion work.

LDWF is fine with it, just make sure you contact the Terrebonne Parish EOC, Earl Eues and give them a heads up. If he has any questions or concerns please let me know and I will work with you to clarify any concerns.

Jerome Zeringue
Deputy Director
CPRA
450 Laurel Street, Baton Rouge, LA 70801
1.225.342.3969 (Phone)
1.225.242.3473 (Fax)
jzee@la.gov (Email)

-----Original Message-----

From: Brad Miller
Sent: Monday, June 07, 2010 9:33 AM
To: Jerome Zeringue
Cc: Glen Curole; 'Lejeune, Cassidy R.'; Todd Folse
Subject: FW: Whiskey Island completion work.

Jerome,

What mechanisms need to be put in place to ensure that C&C Technologies can have access to Whiskey Island this Wednesday?

Thank you,

Brad Miller
Project Manager
Office of Coastal Protection and Restoration
Ph: (225) 342-4122
Fax (225) 342-9417

-----Original Message-----

From: Glen Curole
Sent: Monday, June 07, 2010 9:12 AM
To: Brad Miller
Cc: Todd Folse
Subject: FW: Whiskey Island completion work.

Brad,

C&C Technologies will attempt to complete the Whiskey Island (TE-50) survey on Wednesday June 9, 2010.

Glen

-----Original Message-----

From: Gene Prather [<mailto:gene.prather@cctechnol.com>]
Sent: Monday, June 07, 2010 8:41 AM
To: Glen Curole; Frank Lipari
Subject: Whiskey Island completion work.

Glen,

We would like to attempt the work this Wednesday June the 9th.....will you or do we need to contact Wildlife & Fisheries?

Thank you,

--

Gene Prather
730 East Kaliste Saloom Road
Lafayette, LA 70508
Company Line: 337-261-0660
Office Direct Line: 337-735-3728
Fax: 337-261-0192
E-Mail: gene.prather@cctechnol.com

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Christine Pickens <christine.pickens@gmail.com>
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Brad Miller <Brad.Miller@la.gov>, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA
Date: 06/07/2010 10:58 AM
Subject: Re: Fw: TE-53 Whiskey Island
ct:

Greetings,

I will have a full list of all volunteers momentarily. I am getting confirmations from 2 more volunteers this morning. I will send the list to Brad Miller as soon as I have my final count.

What phone number is best to contact Brad Miller during the project? My cell phone number is 225-931-2073, and that will be the best way to contact me from June 14-18th.

Thanks,
Christine

On Mon, Jun 7, 2010 at 10:49 AM, <Teague.Kenneth@epamail.epa.gov> wrote:

Same problem. I'll try again, this time manually typing in email addresses. I think something is up with my mail program.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 10:47 AM -----

Fr
o Kenneth Teague/R6/USEPA/US

m:

To Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com/OU=, Brad Miller <
: Brad.Miller@LA.GOV/O=, Brad Crawford/R6/USEPA/US, Chris Llewellyn/R6/USEPA/US/,

Da 06/07/2010 10:44 AM
te:

Su Fw: TE-53 Whiskey Island

bje

ct:

Let's try this again. Apparently I got some of the email addresses wrong.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 10:43 AM -----

From: Kenneth Teague/R6/USEPA/US
To: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com>, Brad Miller <Brad.Miller@LA.GOV/O=, Brad Crawford/R6/USEPA/US, Chris Llewellyn/R6/USEPA/US,/,
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/07/2010 10:28 AM
Subje TE-53 Whiskey Island
ct:

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--
Christine N. Pickens

Louisiana Board of Regents Fellow
Coastal Plant Ecology Lab
University of Louisiana at Lafayette

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr Mark W Hester <mwh4003@louisiana.edu>
o

m:

To Christine Pickens <christine.pickens@gmail.com>
:

Cc Willis Jonathan M <jmw1058@louisiana.edu>, Brad Miller <Brad.Miller@la.gov>, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Karen
: McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Da 06/07/2010 11:14 AM
te:

Su Re: TE-53 Whiskey Island
bje
ct:

hi christine,

yes -send brad miller vol list once finalized today.
Brad's office phone is usually best way to contact him: 225 342-4122; if needed his cell is 225 936-4820

thanks,
mark

----- Original Message -----

From: "Christine Pickens" <christine.pickens@gmail.com>

To: "Teague Kenneth" <Teague.Kenneth@epamail.epa.gov>

Cc: "Dr Mark Hester" <mhester@louisiana.edu>, "Willis Jonathan M" <jmw1058@louisiana.edu>, "Brad Miller" <Brad.Miller@la.gov>, "Crawford Brad" <Crawford.Brad@epamail.epa.gov>, "Llewellyn Chris"

<Llewellyn.Chris@epamail.epa.gov>, "McCormick Karen" <McCormick.Karen@epamail.epa.gov>
Sent: Monday, June 7, 2010 10:58:32 AM GMT -06:00 US/Canada Central
Subject: Re: Fw: TE-53 Whiskey Island

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To: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com/OU= , Brad Miller <Brad.Miller@LA.GOV/O= , Brad Crawford/R6/USEPA/US, Chris Llewellyn/R6/USEPA/US/,
Date: 06/07/2010 10:44 AM
Subject: Fw: TE-53 Whiskey Island

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Kenneth Teague, PWS, Certified Senior Ecologist
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To: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com>, Brad Miller <Brad.Miller@LA.GOV/O= , Brad Crawford/R6/USEPA/US, Chris Llewellyn/R6/USEPA/US,/,
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/07/2010 10:28 AM
Subject: TE-53 Whiskey Island

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phone: 214-665-6687
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--
Christine N. Pickens
Louisiana Board of Regents Fellow

Coastal Plant Ecology Lab
University of Louisiana at Lafayette

--

Mark W. Hester
Coastal Plant Ecology Lab
Biology Department
University of Louisiana at Lafayette
PO Box 42451
Lafayette, LA 70504-2451
Email: mhester@louisiana.edu
Office: (337) 482-5246
Cell: (504) 237-1151

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Brad Miller <Brad.Miller@LA.GOV>
To: 'Mark W Hester' <mwh4003@louisiana.edu>, Christine Pickens <christine.pickens@gmail.com>
Cc: Willis Jonathan M <jmw1058@louisiana.edu>, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 06/07/2010 11:20 AM
Subje RE: TE-53 Whiskey Island
ct:

I concur and the numbers are correct! Mark was that e-mail sent with voice recognition software or one handed? How did the surgery go?

Brad Miller
Project Manager
Office of Coastal Protection and Restoration
Ph: (225) 342-4122
Fax (225) 342-9417

-----Original Message-----

From: Mark W Hester [<mailto:mwh4003@louisiana.edu>]

Sent: Monday, June 07, 2010 11:14 AM
To: Christine Pickens
Cc: Willis Jonathan M; Brad Miller; Crawford Brad; Llewellyn Chris; McCormick Karen; Teague Kenneth
Subject: Re: TE-53 Whiskey Island

hi christine,

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Brad's office phone is usually best way to contact him: 225 342-4122; if needed his cell is 225 936-4820

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To: "Teague Kenneth" <Teague.Kenneth@epamail.epa.gov>
Cc: "Dr Mark Hester" <mhester@louisiana.edu>, "Willis Jonathan M" <jmw1058@louisiana.edu>, "Brad Miller" <Brad.Miller@la.gov>, "Crawford Brad" <Crawford.Brad@epamail.epa.gov>, "Llewellyn Chris" <Llewellyn.Chris@epamail.epa.gov>, "McCormick Karen" <McCormick.Karen@epamail.epa.gov>
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Date: 06/07/2010 10:44 AM
Subject: Fw: TE-53 Whiskey Island

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To: Dr Mark Hester <mhester@louisiana.edu>, Willis Jonathan M <jmw1058@louisiana.edu>, Christine Pickens" <christine.pickens@gmail.com , Brad Miller <Brad.Miller@LA.GOV/O= , Brad Crawford/R6/USEPA/US, Chris Llewellyn/R6/USEPA/US/,
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Date: 06/07/2010 10:28 AM
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--

Christine N. Pickens
Louisiana Board of Regents Fellow
Coastal Plant Ecology Lab
University of Louisiana at Lafayette

--

Mark W. Hester
Coastal Plant Ecology Lab
Biology Department
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To: Karen McCormick/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA

Date: 06/07/2010 11:21 AM

Subject: Fw: Natural Oil Seeps and the Deepwater Horizon Disaster

cc:

I'm not sure how this got to me, but Cutler was a fellow graduate student at LSU's Department of Marine Sciences in the 1980s. He is now a professor at BU. He has worked on energy and environment issues since he was an undergraduate student.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 11:17 AM -----

From: Cutler Cleveland <cutler@bu.edu>
To: Cutler Cleveland <cutler@bu.edu>
Date: 06/01/2010 12:22 PM
Subject: Natural Oil Seeps and the Deepwater Horizon Disaster

First published in the Encyclopedia of Earth

Some reports in the media attempt to downplay the significance of the release of oil from the Deepwater Horizon accident by arguing that natural oil seeps release large volumes of oil to the ocean, so why worry? Lets look at the numbers.

Natural seeps can be thought of as natural springs from which liquid and gaseous hydrocarbons (hydrogen-carbon compounds) leak out of the ground. Oil seeps are fed by natural underground accumulations of oil and natural gas. Satellite images have identified hundreds of areas where oil is likely to seep from the Earth's crust into the waters of the Gulf of Mexico. These seeps occur over a wide range of the 615,000 mi² (1.6 million km²) Gulf. A 2003 study by the National Research Council and a 2009 report by oil spill expert Dagmar Schmidt Etkin indicate that between 560,000 and 1,400,000 barrels per year (1,534 to 3,835 barrels per day) seep into the Gulf of Mexico from natural sources. Dozens of natural seeps have been identified off the coasts of Louisiana and Texas, some in

the region of the Deepwater Horizon site.

These natural seeps are quasi-continuous or chronic inputs that represent a "background" rate of oil input that have been in existence for hundreds or thousands of years. As the term "seep" implies, the rate of oil release from these sources is much smaller than human spills that often release large, concentrated pulses of oil. One of the largest and most intensively studied seepage areas lies off Coal Oil Point, in Santa Barbara County, California. Individual seeps in this area release an estimated 80 to 100 barrels (3,360 to 4,200 gallons) of oil per day; Deepwater Horizon is releasing 12,000 to 19,000 barrels per day.

The Deepwater Horizon site releases 3 to 12 times the oil per day compared to that released by natural seeps across the entire Gulf of Mexico. By May 30, the Deepwater Horizon site had released between 468,000 and 741,000 barrels of oil, compared to 60,000 to 150,000 barrels from natural seeps across the entire Gulf of Mexico over the same 39 day period.

Natural seeps are not constantly active; the volume of oil released can vary considerably throughout the day and from day to day. As a result, only a small area around the source is actually exposed to "fresh" non-degraded oil, which is its most toxic state.

Marine and coastal organisms and ecosystems presumably have adapted to the natural rate of oil input. Indeed, most organisms living in the regions near natural oil seeps have no special adaptations to the oil. Researchers at Woods Hole Oceanographic Institute and the University of California/Santa Barbara studied natural seeps off the coast of California. They found that as the oil moved upwards in the water column, a wide range of microbes consume the oil and produce intermediate products, and that those intermediate products are then converted by another group of microbes to natural gas and other compounds. Their research suggests that oil from natural seeps normally stays in the water for between ten hours to five days.

Oil that does make it to the surface from natural seeps can spread out very widely. One gallon of oil can spread out to cover more than a full square mile, forming an extremely thin film on the surface, about one-hundredth of a millimeter thick. Under these conditions, the oil is not hazardous. Some of the oil in that thin sheen evaporates within seconds or minutes after it reaches the surface.

A sudden, concentrated and massive pulse of oil from an event such as the Deepwater Horizon disaster presents a fundamentally more acute stress to marine and coastal systems. The amount, rate and spatial concentration of crude oil released from such an event overwhelm the natural mechanisms of oil dispersal and breakdown, producing the significant ecological effects that we observe.

Cutler J. Cleveland
Boston University
May 31, 2010

http://www.eoearth.org/article/Deepwater_Horizon_oil_spill

References

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Cutler J. Cleveland (Lead Author); C Michael Hogan and Peter Saundry (Topic Editor);. 2010. "Deepwater Horizon oil spill." In: Encyclopedia of Earth. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published in the Encyclopedia of Earth May 24, 2010; Last revised May 30, 2010; Retrieved May 30, 2010]<http://www.eoearth.org/article/Deepwater_Horizon_oil_spill>

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From:	Kenneth Teague/R6/USEPA/US
To:	Jenelle Hill/R6/USEPA/US@EPA
Date:	06/07/2010 11:26 AM
Subject:	Fw: dispersed oil in wetlands

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 11:26 AM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
Subject: dispersed oil in wetlands

Ken, Chris,

I realize that you're probably drowning in information, but I've conducted research on the fate of dispersed oil that reaches coastal wetlands (S. Louisiana crude dispersed with COREXIT 9500) . I've updated my website (<http://www.rnr.lsu.edu/nyman/>) to make it easier to obtain my oil spill publications. Here, I'm summarising some of the conclusions resulting from that research. Please pass this on as you see fit.

The first experiment I'll summarize is described in Nyman and McGinnis (1999). In salt marsh soils (*Spartina alterniflora* soil or *Juncus roemerianus* soil), dispersed S. Louisiana Crude disappeared (via biodegradation and evaporation) significantly slower than un-dispersed oil exposed only to natural biodegradation. Another product, the shoreline cleaner COREXIT 9580, accelerated oil disappearance from salt marsh soils relative to natural biodegradation. The fastest disappearance of S. Louisiana Crude from salt marsh soils occurred where fertilizer was added. See Figure 1 in Nyman and McGinnis (1999) for a graphical representation of those

results. This fertilizer effect should be a logical consequence river flow to oiled marshes as well as the surface application of artificial fertilizers to oiled marshes. Note however that the nutrients in river water will reach the Gulf regardless but addition of artificial nutrients to oiled marshes would need to be considered in light of gulf hypoxia.

The second experiment I'll summarize is described in three publications. This experiment used fresh marsh soil (*Sagittaria lancifolia* soil or *Panicum hemitomon* soil, which dominate most of the tidal freshwater marshes in Louisiana) but realize that the fresh marshes at the Bird's Foot delta differ in vegetation and soils from most tidal freshwater marshes in Louisiana. In these fresh marsh soils, neither COREXIT 9580, COREXIT 9500, nor fertilizer altered disappearance (biodegradation and evaporation). See Nyman et al. (2007).

Another conclusion from this second experiment is that different chemical tests for petroleum hydrocarbons do not measure the same things with different levels of precision; instead, they measure different suites of hydrocarbons in the mixture created by crude oil and its partial degradation products. Hence no single chemical measure adequately describes all the hydrocarbons in a sample; this problem is greater in wetland soil samples than in wetland water samples. For details, also see Nyman et al. (2007).

Another conclusion from this second experiment is that dispersant oil reaching fresh marsh soil was more toxic to a fish, crustacean, and benthic invertebrate than undispersed oil for months after being added to marsh soil. For details, see Bhattacharyya et al. (2003).

A third conclusion from this second experiment is that chemical tests for hydrocarbons cannot substitute for actual toxicity determinations when attempting to accurately rank the toxicity of samples from oiled freshwater marshes. This has large implications regarding the habitual use of chemical tests to decide what places most need to be cleaned, what places are restored, etc. For details, see Klerks et al. (2004).

andy

Bhattacharyya, S., P.L. Klerks, and J.A. Nyman. 2003. Toxicity to freshwater organisms from oils and oil spill chemical treatments in laboratory microcosms. *Environmental Pollution* 122:205-215.

Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353.

Nyman, J.A and T.E. McGinnis. 1999. Effects of crude oil and spill-response-options on microbial functions and oil disappearance in

salt marsh soils: Year 2. Department of Biology, University of Southwestern Louisiana. Louisiana Applied and Educational Oil Spill Research and Development Program, OSRADP Technical Report Series 99-007.

Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. Environmental Pollution 149:227-238.

Andy Nyman, Ph.D.
225 578-4220
<http://www.rnr.lsu.edu/nyman/>
jnyman@lsu.edu or
jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Jenelle Hill/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/07/2010 11:28 AM
Subject: Re: Fw: dispersed oil in wetlands

Thanks Ken. Also, I went to the lyengar yoga studio and really enjoyed it. Thanks for the recommendation.

Jenelle Hill
ORISE Post-Graduate Intern
EPA Region 6
1445 Ross Ave

Dallas, TX 75202
ph: (214) 665-9737
fx: (214)665.6689

Fw: dispersed oil in wetlands

Kenneth Teague

to: Jenelle Hill

06/07/2010 11:26 AM

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 11:26 AM -----

From: "Andy Nyman" <jnyman@lsu.edu>
To: Kenneth Teague/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA
Date: 05/15/2010 10:17 AM
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andy

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Klerks, P.L., J.A. Nyman, and S. Bhattacharyya. 2004. Relationship between hydrocarbon measurements and toxicity to a chironomid, fish larvae, and daphnid for oils and oil spill chemical treatments in laboratory freshwater marsh microcosms. *Environmental Pollution* 129:345-353.

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Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 2007. Effects of chemical additives on hydrocarbon disappearance and biodegradation in freshwater marsh microcosms. *Environmental Pollution* 149:227-238.

Andy Nyman, Ph.D.
225 578-4220
<http://www.rnr.lsu.edu/nyman/>
jnyman@lsu.edu or
jnyman@agcenter.lsu.edu

mailing address:
Renewable Natural Resources
LSU
Baton Rouge, LA 70803

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Cc: "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>
Date: 06/07/2010 01:24 PM
Subject: Re: Fw: Fw: Clarification re: Wetlands

ct:

Karen- I didn't see anything here that caused me any concerns, *though I did not get the attachments, nor have I ever seen them*. Therefore, I can't comment on the attachments at all.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US
To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
Cc: R6 DWH EOC Water Desk@EPA
Date: 05/29/2010 01:58 AM
Subje Fw: Fw: Clarification re: Wetlands
ct:

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll
Sent: 05/29/2010 12:31 AM CDT
To: Nancy Jones
Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison
Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

From: Nancy Jones/R6/USEPA/US
To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

to: Nancy Jones

05/22/2010 06:52 PM

Cc: "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

- Stage I On-water recovery of floating oil slicks in near shore waters
- Stage II: Initial cleaning of bulk oil from intertidal areas until the source is controlled
- Stage III: Removal of oil to habitat-specific cleanup endpoints once source control is achieved

Stage III shoreline response will be conducted in accordance with a separate Shoreline Response Plan which will be approved by BP, FOSC, and SOSC in Incident Command. Section 3.1 of the Shoreline Response Plan pertains to salt, brackish, intermediate and freshwater marshes. It states:

Oil may enter salt, brackish, and intermediate marshes, perhaps repeatedly until the source is controlled. The oil could be pushed into the dense roseau cane vegetation adjacent to freshwater channels. The cleanup goal in these habitats is to remove as much oil as possible using methods such as vacuuming and skimming conducted from boats. In Louisiana, high water levels in the bays during strong southeast winds typically result in oil stranding in the interior of salt to intermediate marshes. Site-specific guidance will be provided for oil removal from the interior of marshes. If feasible, low-pressure flushing may also be used to increase the effectiveness of vacuum and skimming. Heavily oiled debris should also be removed.

Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird

concentration areas.

- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)
- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,
Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [mailto:Jones.Nancy@epamail.epa.gov]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 08:52 PM EDT

To: "Sam Coleman" <Coleman.Sam@epa.gov>

Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>

Subject: Fw: Clarification re: Wetlands

Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison

Sent: 05/21/2010 01:50 PM CDT

To: Craig Carroll

Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores; Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC Water Desk

Subject: Fw: Clarification re: Wetlands

Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer

document. These documents were developed in conjunction with EPA HQ and Region 4.

There are mechanisms already in place within Unified Command to address natural resource impacts and many agencies in Unified Command are working on this. At this point, the attached EPA documents describe the situation and potential impacts very well. Please forward to Unified Command to be incorporated into the planning section.

Unified Command is welcome to incorporate these documents into their Area Contingency Plan or use in any way they see fit.

Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage ourselves within the operations Unified Command. Unfortunately, these

are response actions that should already being addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands

:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands
cleanup to provide guidance re: standards/best practices for wetlands
re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See attached file: Qs and As for Ecological Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Kenneth Teague/R6/USEPA/US

to:

To: Karen McCormick/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Mark : Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA

Date: 06/07/2010 01:26 PM

subject:

Subject: Fw: Oil Spill - Hypoxic Zone Fact Sheet

by:

cc:

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 06/07/2010 01:25 PM -----

Fr "Robert E. Magnien" <Rob.Magnien@noaa.gov>
o

m:

To Darrell Brown/DC/USEPA/US@EPA
:

Cc BakerB@dnr.state.wi.us, Bryan.Hopkins@dnr.mo.gov, David.Hanselmann@dnr.state.oh.us, Dean.Iemke@IowaAgriculture.gov, Ddpaleosol@aol.com, Dugan.Sabins@la.gov, Earl.Smith@arkansas.gov, Goca@gov.state.la.us, Greg.Nageotte@dnr.state.oh.us, Jared.Thornley@illinois.gov, John.Kessler@dnr.state.oh.us, John.McClurkan@state.tn.us, Ken.Brazil@arkansas.gov, lmrsrc@gmail.com, Mike.Wells@dnr.mo.gov, PTennant@orsanco.org, Richard_Ingram@deq.state.ms.us, Jerry_Cain@deq.state.ms.us, Susan.Sylvester@wisconsin.gov, Warren.Goetsch@illinois.gov, Wayne.P.Anderson@state.mn.us, msbelanc@aol.com, Alan.Lewitus@noaa.gov, Arnab.Raychaudhuri@us.army.mil, Brenda_Moraska_Lafrancois@nps.gov, Carl.Lucero@usda.gov, Dan.Jaynes@ars.usda.gov, David.A.Vigh@usace.army.mil, David.Kidwell@noaa.gov, David.M.Soballe@usace.army.mil, David.Scheurer@NOAA.GOV, Denesia_Cheek@nps.gov, Doug_Frue@fws.gov, Howard.Hankin@wdc.usda.gov, James.r.Hannon@usace.army.mil, Jaynes@nsl.gov, Jward@usgs.gov, Larry.Pugh@noaa.gov, Mark.Peters@wdc.usda.gov, Mdwoodsi@usgs.gov, Mike.Shannon@ars.usda.gov, Mribaud@ers.usda.gov, Paul.F.Wagner@us.army.mil, Richard.Swenson@wdc.usda.gov, Skip.Hyberg@wdc.usda.gov, Steven.L.Ashby@usace.army.mil, Teresa_Woods@fws.gov, Zoltan.L.Montvai@HQ02.usace.army.mil, Chris Lewicki/DC/USEPA/US@EPA, George Utting/DC/USEPA/US@EPA, Jacques Oliver/DC/USEPA/US@EPA, Jill Dean/DC/USEPA/US@EPA, Kathy Hurl/DC/USEPA/US@EPA, Katie Flahive/DC/USEPA/US@EPA, Kellie Kubena/DC/USEPA/US@EPA, Mario Sengco/DC/USEPA/US@EPA, Michelle Schutz/DC/USEPA/US@EPA, Paula Diaz/DC/USEPA/US@EPA, Rosaura Vega/DC/USEPA/US@EPA, Samantha Fontenelle/DC/USEPA/US@EPA, Sylvia Malm/DC/USEPA/US@EPA, Steve Whitlock/DC/USEPA/US@EPA, Hazel Groman/DC/USEPA/US@EPA, Benita Best-Wong/DC/USEPA/US@EPA, Bryon Griffith/GMPO/USEPA/US@EPA, Aaron Bell/DC/USEPA/US@EPA, Brenda Groskinsky/R7/USEPA/US@EPA, Damon Frizzell/R7/USEPA/US@EPA, Ed Decker/R4/USEPA/US@EPA, William Franz/R5/USEPA/US@EPA, Gregory Colianni/DC/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen Flournoy/R7/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Larinda Tervelt/R4/USEPA/US@EPA, William Melville/R4/USEPA/US@EPA, Michael Haire/DC/USEPA/US@EPA, Phil Bass/GMPO/USEPA/US@EPA, Rick Greene/GB/USEPA/US@EPA, Troy Pierce/GMPO/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Spratlin/R7/USEPA/US@EPA, William Swietlik/DC/USEPA/US@EPA, Timothy Henry/R5/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Joe Piotrowski/R3/USEPA/US@EPA, Aaron Kornbluth/DC/USEPA/US@EPA, Jessica Spence/DC/USEPA/US@EPA, "Mosso, Dacia" <Dacia.Mosso@tetrattech.com>, gms.inc@att.net

Da 05/28/2010 04:40 PM

te:

Su Oil Spill - Hypoxic Zone Fact Sheet

bje

ct:

Folks,
Here's a fact sheet that we put together re. the potential relationships between the Gulf hypoxic zone and the oil spill.
Feel free to contact me if you have any questions or perspective on this issue.
Have a great holiday weekend!

-Rob

PS - The fact sheet is also online under the "oil spill response"
section of NOAA fact sheets:
<http://www.noaa.gov/factsheets.html>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F David Reazin/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/07/2010 02:25 PM

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S Region 6 WQ Situation Update #26 (6-7-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Barbara Keeler/R6/USEPA/US

To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Mr. William Honker" <Honker.William@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>
Date: 06/07/2010 06:02 PM
Subject: Re: Fw: Fw: Clarification re: Wetlands
ct:

While I also don't have the attachment here or with me (I'm in B.R.), I have previously reviewed this material for you and found no problems. As I recall, it did reference either the first ecological impacts paper I wrote for R6 or the combined R6/R4/OW one that followed several weeks later.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Re: Fw: Fw: Clarification re: Wetlands [Link](#)

Kenneth Teague

to: Karen McCormick

06/07/2010 01:24 PM

Cc: "Mr. William Honker", "Barbara Keeler", R6 DWH EOC Water Desk, "Jane Watson"

Karen- I didn't see anything here that caused me any concerns, *though I did not get the attachments, nor have I ever seen them*. Therefore, I can't

comment on the attachments at all.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US

To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>

Cc: R6 DWH EOC Water Desk@EPA

Date: 05/29/2010 01:58 AM

Subject: Fw: Fw: Clarification re: Wetlands

ct:

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/29/2010 12:31 AM CDT

To: Nancy Jones

Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison

Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

From: Nancy Jones/R6/USEPA/US
To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

t
o
: Nancy Jones

05/22/2010 06:52 PM

Cc: "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

- Stage I On-water recovery of floating oil slicks in near shore waters
- Stage II: Initial cleaning of bulk oil from intertidal areas until the source is controlled
- Stage III: Removal of oil to habitat-specific cleanup endpoints once source control is achieved

Stage III shoreline response will be conducted in accordance with a separate Shoreline Response Plan which will be approved by BP, FOSC, and SOSC in Incident Command. Section 3.1 of the Shoreline Response Plan pertains to salt, brackish, intermediate and freshwater marshes. It states:

Oil may enter salt, brackish, and intermediate marshes, perhaps repeatedly until the source is controlled. The oil could be pushed into the dense roseau cane vegetation adjacent to freshwater channels. The cleanup goal in these habitats is to remove as much oil as possible using methods such as vacuuming and skimming conducted from boats. In Louisiana, high water levels in the bays during strong southeast winds typically result in oil stranding in the interior of salt to intermediate marshes. Site-specific guidance will be provided for oil removal from the interior of marshes. If feasible, low-pressure flushing may also be used to increase the effectiveness of vacuum and skimming. Heavily oiled debris should also be removed.

Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird

concentration areas.

- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)
- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,

Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [<mailto:Jones.Nancy@epamail.epa.gov>]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 08:52 PM EDT

To: "Sam Coleman" <Coleman.Sam@epa.gov>

Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>

Subject: Fw: Clarification re: Wetlands

Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison

Sent: 05/21/2010 01:50 PM CDT

To: Craig Carroll

Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores; Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC Water Desk

Subject: Fw: Clarification re: Wetlands

Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and Region 4.

There are mechanisms already in place within Unified Command to address natural resource impacts and many agencies in Unified Command are working on this. At this point, the attached EPA documents describe the situation and potential impacts very well. Please forward to Unified Command to be incorporated into the planning section.

Unified Command is welcome to incorporate these documents into their Area Contingency Plan or use in any way they see fit.

Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage ourselves within the operations Unified Command. Unfortunately, these are response actions that should already being addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll

Chief, Emergency Readiness Section

EPA Region 6

Ph: 214-665-2220

Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands

:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands
cleanup to provide guidance re: standards/best practices for wetlands
re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See
attached file: Qs and As for Ecologcial Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/07/2010 09:59 PM
Subject: Fwd: cmelton@lpb.org has shared: The Great Wall Of Louisiana Hoax

Here's a new voice I hadn't heard before. I agree with most of what he says except for the part about Jindal really caring.

----- Forwarded message -----

From: **cmelton@lpb.org** <cmelton@lpb.org>
Date: Mon, Jun 7, 2010 at 2:46 PM
Subject: cmelton@lpb.org has shared: The Great Wall Of Louisiana Hoax
To: leonardbahr@gmail.com

Passing along

The Great Wall Of Louisiana Hoax

Source: themoderatevoice.com

cmelton@lpb.org sent this using ShareThis.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients:;
Date: 06/08/2010 07:20 AM
Subject: Sand berm wars end sadly but coastal cartoon satire is alive and well

Folks-
Check out today's coastal mini-post.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F David Reazin/R6/USEPA/US
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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
: Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/08/2010 02:12 PM

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S Region 6 WQ Situation Update #27 (6-8-2010)
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

Fr "Quinn, Patricia LCDR" <Patricia.J.Quinn@uscg.mil>
o

m:

To "Brad Miller" <Brad.Miller@LA.GOV>

:

Cc "Christine Pickens" <christine.pickens@gmail.com>, "Shane Faust" <Shane.Faust@LA.GOV>, "Darin Lee" <Darin.Lee@LA.GOV>, "Lejeune, Cassidy R." <clejeune@wlf.la.gov>, "Jerome Zeringue" <Jerome.Zeringue@LA.GOV>, Kenneth Teague/R6/USEPA/US@EPA, "Dr Mark Hester" <mhester@louisiana.edu>, <soilerosions@centurytel.net>

Da 06/08/2010 03:23 PM

te:

Su RE: Access to Whiskey Island for the week of June 14th

bje

ct:

Brad - Per my conversation with Cocodrie Operations, it appears you should not have any problems accessing Whiskey Island: booming is on the bay and west tip. I was also advised an 8' alligator was spotted on Trinity Island.

The contact person in Cocodrie is Lieutenant Ann Marie Reigrut - 985-772-2060

Have a good afternoon.

~Pat Quinn~

LCDR Pat Quinn

Terrebonne Parish EOC Liaison

< patricia.j.quinn@uscg.mil > and

< tpcg.esf17@gmail.com >

Phone (985) 655-9320

Parish Phone: (985) 873-6357 x 209

From: Brad Miller [<mailto:Brad.Miller@LA.GOV>]

Sent: Tue 6/8/2010 4:05 PM

To: Quinn, Patricia LCDR

Cc: Christine Pickens; Shane Faust; Darin Lee; 'Lejeune, Cassidy R.'; Jerome Zeringue; Teague Kenneth; 'Dr Mark Hester'; 'soilerosions@centurytel.net'

Subject: Access to Whiskey Island for the week of June 14th

Pat,

As we discussed on the phone the Office of Coastal Protection and Restoration (OCPD) will need to have access to Whiskey Island for the week of June 14th, 2010. There will be two groups of contractors on the island that week. The first will be one of our vegetative planting contractors installing plants for a recently constructed project. The contact information for them is as follows:

Erosion Control Services, LLC will be planting at Whiskey Island starting Monday, June 14th. There will be a crew in two boats with approximately 10 crew members. Stanley Bordelon is the contact and his cell phone number is 318-264-2624. Erosion Control's office number is 318-941-2461.

The second group will be a group of researchers from the University of Louisiana at Lafayette (ULL). They will be installing plants for a OCPD funded project on the island. The crew from ULL will be leaving from LUMCON in Cocodrie and will be on LUMCON vessels. The contact for the ULL crew is Christine Pickens and she can be reached at 225-931-2073. The list of participants from ULL is in an attached spreadsheet.

Both crews will have their own transportation to the island but will require guidance on how to access the island should there be booms present.

Thank you,

Brad Miller

Project Manager
Office of Coastal Protection and Restoration
Ph: (225) 342-4122
Fax (225) 342-9417

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/09/2010 08:49 AM
Subject: Outside critique Jindal sand berms featured in Jun 9 scuttlebutt

Coastal folks-

Today's coastal mini-post links to a thoughtful independent review of the sand berm project (and other interesting tidbits).

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
: Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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06/09/2010 02:18 PM

S Region 6 WQ Situation Update #28 (6-9-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/10/2010 08:17 AM
Subject: Mini-post on Carville coastal remarks in BRLA

Folks-

Here's a mini-post re my reaction to a talk by James Carville at the CRCL awards banquet on June 9 at the Baton Rouge Hilton.
Len

BTW, many of my fellow guests at the banquet last night were unaware that I'll be celebrating 7 decades of life at 4:00 this Sunday (June 13) in New Orleans at The Maison, 508 Frenchman St. (in the historic Marigny district). See this post for details and please come if you're in the area!

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F David Reazin/R6/USEPA/US
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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
: Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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Region 6 WQ Situation Update #29 (6-10-2010)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/11/2010 07:54 AM
Subject: Oysters and oil; Shea Penland and sand berms; and BP B.S. satire from The Onion

Folks-
Here's a new mini-post, some of which you may find of special interest.
Len

PS Don't forget about my 7 decade celebration/commiseration event on Sunday June 13 at 4:00 at 508 Frenchman St., New Orleans!

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

F David Reazin/R6/USEPA/US

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S Region 6 WQ Situation Update #30 (6-11-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: ESA HQ <ESAHQ@esa.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/11/2010 04:38 PM
Subject: ESA Data Registry for Gulf, your help requested

The British Petroleum Deepwater Horizon oil spill in the Gulf of Mexico will impact the northeastern Gulf of Mexico and larger regions of Earth's ecosystem in an unprecedented way. The scientific community can contribute invaluable information regarding the conditions of affected ecosystems prior to the spill. This information will be crucial to ongoing and future damage assessment, clean up, mitigation and restoration over the coming weeks, months, years, and decades.

The Ecological Society of America has set up a data registry system <http://www.esa.org/mdc> in which anyone with information about ecological or environmental conditions along the Gulf of Mexico's coastal ecosystems (LA, TX, MS, AL and FL) and other potential sites that might be affected in the future can upload metadata and help build a database documenting ecological states and conditions before the spill.

This database will be searchable by place and time, taxa or physico-chemical variables monitored, ecosystem type, etc. Those scientists contributing their metadata and their contact information will agree to share their information with scientists and managers on the front line of assessment, mitigation, or restoration efforts. ESA graduate student leaders Jorge Ramos and Rob Salguero-Gomez will follow up with the contact person for more information, if needed.

Please help us by submitting your information and notifying colleagues about this effort.

Link to data registry website: <http://www.esa.org/mdc/>

If you would like to submit photographs, please upload and share them in the ESA Student Section Oil Spill Response Picasa web photo album: http://picasaweb.google.com/ESAStudentSection/OilSpill_Response#

For more information please contact:

Jorge Ramos and Rob Salguero-Gomez at ESAStudentSection@gmail.com or Nadine Lymn (Nadine@esa.org).

Highlights

New Issues in Ecology:

Just published by ESA, "A Synthesis of the Science on Forests and Carbon for US Forests" provides a scientific review of strategies for storing carbon in US forests and harvested wood....

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ESA is grateful to the following individuals who made this initiative possible: Rob Salguero-Gomez (Chair, ESA Student Section), Jorge Ramos (Leader, ESA SEEDS Network), Zaw Aung, ESA Webmaster, and Mark Stromberg and the UC Natural Reserve System, which provided ESA with a database template for this effort.

For more visit www.esa.org | [unsubscribe](#).

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients:;
Date: 06/12/2010 09:35 AM
Subject: June 12 mini-post: BP blame and sand berms in the news

Folks-

Today's June 12 mini-post includes info important enough to interrupt your weekend.

Len

PS: Once more, don't forget my 7 decade b'day party tomorrow at 4:00 at The Maison, 508 Frenchman St., in the Marigney District of New Orleans (just downstream from The French Quarter).

PSS: , (BP CEO Tony Hayward's homeland soccer team). This matchup will air on ABC TV at 1:30 CDT.
Sorry Denise Reed and Piers Chapman!

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Chris Llewellyn/R6/USEPA/US

To: Kenneth Teague/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/13/2010 11:21 PM
Subject: CWPPRA Spill Updates

CWPPRA folks,

I just wanted to send a reminder that I will be in the field Monday 6/14/10 - Thursday 6/17/10. I will be back in the office on Friday 6/18/10. Should any Deepwater Horizon spill related information concerning CWPPRA projects come up, it will need to be sent to David Reazin by 1pm that day for inclusion in the SIT REP. If there are no changes to the CWPPRA section of the Coastal Programs SIT REP, we can just recycle and update what I included on Friday 6/11/10.

Dave,

I imagine most of the figures will not be a problem at all (Figures 1 and 2 you know how to get and Figure 3 Angel or Rob will make). I would advise dropping Table 1 and its corresponding reference in the CWPPRA SIT REP because it is somewhat difficult to find.

If there are any questions or concerns give me a call on my cell at (832) 298-7779 and I can try and give you a call back when we get off the water.

Chris Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
U.S. Environmental Protection Agency - Region 6
1445 Ross St.
Dallas, TX 75202
(214) 665-7239
llewellyn.chris@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Mike Bira/R6/USEPA/US

To: Jane Watson/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Date: 06/14/2010 09:09 AM

Subject: Fw: A Sand Trap in the Gulf

cc:

FYI

Mike Bira
USEPA Region 6
Dallas, TX
214-665-6668

----- Forwarded by Mike Bira/R6/USEPA/US on 06/14/2010 09:05 AM -----

June 11, 2010

A Sand Trap in the Gulf

By ROBERT YOUNG

Cullowhee, N.C.

OF the many cleanup solutions being pursued in the Gulf of Mexico, few are as ambitious as Louisiana's berm project. The Army Corps of Engineers recently authorized the state to construct some 45 miles of artificial berms in an effort to protect Mississippi River Delta wetlands and barrier islands from the oil gushing from the Deepwater Horizon leak, with BP promising to pay the state \$360 million for the entire project. Many more miles may be authorized in the coming weeks.

The state understandably wants to move quickly and on a large scale, and no one wants to stop a project like this simply because it is spending too much of BP's money. The problem, however, is that the berms won't work as promised, and their construction will monopolize resources that could be used more effectively elsewhere.

The berms, essentially a series of long, low-lying islands made of dredged sand, seem like a good idea for blocking an oil slick. But as any engineer will tell you, the difficulties are often in the details. Although federal and state agencies were given only a short time to respond to the application, their comments, included in the permit documentation, raise serious concerns about the proposal and its potential effects.

The Environmental Protection Agency and the Department of the Interior, for instance, question whether an effort that will take at least six months to build will appreciably diminish the amount of oil entering the delta wetlands.

Moreover, both agencies note that the berms are not designed to block the tidal flow of water completely, which would be deadly to the wetlands they are meant to protect. But that makes it unclear how much oil the berms would actually prevent from passing into the marshes and estuaries, even when the project is completed.

Then there is the question of the berms' longevity. The ebb and flow of coastal waters is extremely powerful; even without a storm, the berms will begin to erode immediately. Vast portions are likely to be already gone before the rest of the project is finished.

Of course, summer in the gulf is hurricane season, and at six feet above sea level at high tide, the berms will not have the elevation or sand volume to withstand storm waves or surges. If just one of this year's storms passes near them, they will be wiped out.

Then there are the environmental risks. A completed berm could potentially increase the impact of storm surges on the coastal lowlands, and instead of blocking oil it could merely redirect the natural tidal flow — and with it thousands of gallons of oil — to even more environmentally important areas. Likewise, by impeding the outflow of water, it could prevent the natural flushing of some oil.

If we knew for certain that the berms would keep significant amounts of oil away from fragile wetlands, then such risks might be worth it. But the proposal was so hastily written that no one has estimated its chances of success, or worked out the possibility of adverse consequences. There's not even a clear, scientific rationale for the efficacy of the design. Instead, it simply presents the project's logic as self-evident.

Now that this berms have been given permits, the Louisiana governor's office and the Corps of Engineers should, at the very least, engage scientists and engineers to monitor the first berm to see how it performs and examine any unintended impacts. If it does in fact take several months to build the other berms, there will be plenty of opportunities to change the design if needed or abandon the effort if it is failing.

We should also remember that while there is no magic bullet for the spill, that doesn't mean we should just try everything and see what sticks. It would be more prudent to continue fighting with methods like modified booms (as is being suggested for Alabama's Perdido Pass) and collection until effective long-term solutions can be fully vetted by engineers and scientists specializing in coastal environments.

The BP spill will be with us not for weeks or months, but for years. If we want to do our best to stop the oil from hurting critical habitats, then it's worth taking a little time to get it right.

Robert Young is a professor of coastal geology and director of the Program for the Study of Developed Shorelines at Western Carolina University.

Greg Weiler
USEPA
1445 Ross Ave. (6PD-P)
Dallas, Texas 75202-2733
Ph: 214-665-7564
FAX: 214-665-7263
1-800-887-6063
Email: weiler.gregory@epa.gov
<http://www.epa.gov/pesticides>
National Pesticide Information Center (NPIC)
1-800-858-7378; E-mail: npic@ace.orst.edu
"Reach for the Stars. Although you will never touch them
if you reach hard enough, you will find that you get a
little "star dust" on you in the process" Norman Borlaug

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: Paul Kaspar/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/14/2010 10:21 AM
Subject: Fw: proposed restoration projects

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:08 PM -----

From: NCER_listserver@saic.com
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/14/2010 01:11 PM
Subject: Special Funding Opportunity Concerning the Gulf of Mexico Oil Spill

Hi

EPA is sending this NSF announcement out to all members of the NCER list serve to assure that you are all aware of this research opportunity to assist in solving the Gulf disaster:

The National Science Foundation (NSF) posted a special announcement concerning the Gulf of Mexico Oil Spill using their Rapid Response Research (RAPID) mechanism on May 27, 2010. To ensure that all resources and possible innovations are available to help solve this terrible disaster, NSF is

encouraging all companies that have viable solutions to help solve this problem to submit a one time only proposal to this special announcement. All proposals must be submitted on or before September 30, 2010. If you have any questions, please contact Dr. Don Senich (dsenich@nsf.gov) or Mr. Kevin Simmons (kesimmon@nsf.gov). Solicitation information is available at:

http://www.nsf.gov/eng/iip/sbir/2010_ann_rapid_oil_response.pdf

Guidance on submitting a RAPID proposal is located on NSF's website at:

http://www.nsf.gov/pubs/policydocs/pappguide/nsf10_1/gpg_2.jsp

Follow NCER News and New Funding Opportunities on Twitter:

<http://twitter.com/EPAnceer/>

Members of this list are encouraged to use the Web interface at:

<http://epa.gov/ncer/listserv/> to unsubscribe to this list or
subscribe to other lists available on NCER.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/14/2010 01:14 PM
Subject: Re: Fw: proposed restoration projects

Ken,

Thanks for these thoughts. Like all of the spill stuff, this happened very quickly over the weekend. I think, but am not sure, that we could have another look at this list. In that case, it would be great to have our team develop a unified proposal. I am more than open to changes in what I put together on Saturday.

I am not sure what the next step is. I will see if I can get some intelligence on that. If folks in Dallas want to put together a modified list, I could see if HQ would be able and willing to modify my initial list

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 12:14 PM CDT

To: Paul Kaspar

Cc: Karen McCormick; John Ettinger

Subject: Re: Fw: proposed restoration projects

I quickly reviewed the list, and here are my initial thoughts:

1. A few really big diversions high in the basins would be much better (see Blum and Roberts 2009).
2. I don't like the terrace component of the White Ditch Diversion project. Its mostly a waste of money. I also am not keen on the "ridge restoration" component. If any of this involves using sediment not from the river, I'm against it.
3. Convent/Blind River Diversion almost certainly has major issues with benefits and water quality due to the hydraulic efficiency of the Blind River.
4. Barataria Basin Barrier Shoreline Restoration- I think large diversions are more important than barrier island restoration. But as long as we're thinking small, barrier island restoration is ok. Rock should not be supported.
5. Terrebonne Basin Barrier Shoreline Restoration- See above comment. If any of this involves non-sandy shorelines, especially rock, it should not be supported.
6. Marsh creation in Barataria Basin- Large diversions are preferable to this. If we are thinking small, then this is ok. But how large an expansion are we talking about? Some of the proposals for long-distance sediment transport are too expensive for the benefits, and there may not be enough material. As long as we're talking small, no problem, but really big diversions are much better than thinking small.
7. MRGO Ecosystem Restoration Area Projects- I'm not real familiar with this, but my gut feeling is that a lot of this may not be worth doing. For example- shoreline protection (rocks). Large-scale marsh creation using local borrow material (giant holes). Ridge restoration (spoil banks).

In addition to simply a response to the existing proposal, I would like to recommend a different approach, assuming that we are not constrained to using existing projects only. Assuming this might represent an opportunity to propose what is actually needed to respond to the serious problem of wetland loss in the Mississippi River Deltaic Plain, I propose an alternative approach based on a few very large Mississippi River Diversions. See Blum and Roberts (2009), Day et al. (2007), and Kim et al. (2009). I would propose this approach to be the highest priority. To my knowledge

details of such projects don't exist. If this approach is selected I would recommend convening a panel of experts to propose possible locations and sizes, and begin the process of project development.

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[attachment "2007_Day.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "blum_roberts_09.pdf" deleted by John Ettinger/R6/USEPA/US]

If the above proposed approach is not accepted, then I propose two additional "tiers" of projects, in terms of priority. A second tier of projects might look similar to the existing proposed list, but with some significant recommendations for deletions and additions. This tier would include "medium" size diversions and large-scale barrier island restoration for the Barataria and Terrebonne Basins. Also included would be relatively large scale canal backfilling (project not yet scoped). Canal backfilling is well documented as a restoration strategy, and is linked to what is probably the second greatest cause of Louisiana coastal wetland loss (oil and gas canals), but is virtually unutilized for some reason. Other possibilities include a possible large expansion of the existing nutria reduction program. Time and again, nutria herbivory is shown as a serious contributor to Louisiana wetland loss. Terraces and marsh creation projects using local borrow would not be included. Shoreline protection would not be included. I would probably recommend adding some additional diversions generally on the scale included in the existing proposal. Additional "small" diversions carefully located to benefit the degraded Maurepas swamps, and sized correctly to avoid water quality problems, are probably needed in this tier also.

My final proposed "tier" would be of "low" priority, and would generally consist of small projects or diversions far downstream. They would include restoration approaches that are generally considered appropriate by EPA, but are on such a small scale as to have relatively low impact. Generally, these would include small diversions, especially those far downstream, small-scale barrier island restoration, and marsh creation using sediment from the Mississippi River. The typical EPA CWPPRA project would fall into this category. The existing Jean Lafitte National Park canal backfilling project would also fit in this tier.

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Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Paul Kaspar/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/14/2010 10:21 AM
Subject: Fw: proposed restoration projects

[attachment "EPA R6 Response and Recovery Priorities.docx" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 06/14/2010 01:37 PM
Subject: Re: Fw: proposed restoration projects

I don't know.

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 01:27 PM CDT

To: John Ettinger

Cc: Karen McCormick; Paul Kaspar

Subject: Re: Fw: proposed restoration projects

But will they be open to "conceptual projects" on a much larger scale, which would be different than lists of projects for which some actual planning has already been done? If they are determined to only consider projects for which planning has been done, then we are locked into what might be considered an intermediate scale of restoration, though admittedly that is a considerably larger scale than we are doing in CWPPRA.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
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To: Paul Kaspar

Cc: Karen McCormick; John Ettinger

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Subject: Fw: proposed restoration projects

[attachment "EPA R6 Response and Recovery Priorities.docx" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 06/14/2010 02:01 PM
Subject: Re: Fw: proposed restoration projects

Ken, Bill and I just got an invite to a 2:30 conf call with CEQ on this. I will ask whether we can offer conceptual projects not in plans.

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 01:27 PM CDT

To: John Ettinger

Cc: Karen McCormick; Paul Kaspar

Subject: Re: Fw: proposed restoration projects

But will they be open to "conceptual projects" on a much larger scale, which would be different than lists of projects for which some actual planning has already been done? If they are determined to only consider projects for which planning has been done, then we are locked into what might be considered an intermediate scale of restoration, though admittedly that is a considerably larger scale than we are doing in CWPPRA.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/14/2010 01:14 PM
Subject: Re: Fw: proposed restoration projects

Ken,

Thanks for these thoughts. Like all of the spill stuff, this happened very quickly over the weekend. I think, but am not sure, that we could have another look at this list. In that case, it would be great to have our team develop a unified proposal. I am more than open to changes in what I put

together on Saturday.

I am not sure what the next step is. I will see if I can get some intelligence on that. If folks in Dallas want to put together a modified list, I could see if HQ would be able and willing to modify my initial list.

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 12:14 PM CDT

To: Paul Kaspar

Cc: Karen McCormick; John Ettinger

Subject: Re: Fw: proposed restoration projects

I quickly reviewed the list, and here are my initial thoughts:

1. A few really big diversions high in the basins would be much better (see Blum and Roberts 2009).
2. I don't like the terrace component of the White Ditch Diversion project. Its mostly a waste of money. I also am not keen on the "ridge restoration" component. If any of this involves using sediment not from the river, I'm against it.
3. Convent/Blind River Diversion almost certainly has major issues with benefits and water quality due to the hydraulic efficiency of the Blind River.
4. Barataria Basin Barrier Shoreline Restoration- I think large diversions are more important than barrier island restoration. But as long as we're thinking small, barrier island restoration is ok. Rock should not be supported.
5. Terrebonne Basin Barrier Shoreline Restoration- See above comment. If any of this involves non-sandy shorelines, especially rock, it should not be supported.
6. Marsh creation in Barataria Basin- Large diversions are preferable to this. If we are thinking small, then this is ok. But how large an expansion are we talking about? Some of the proposals for long-distance sediment transport are too expensive for the benefits, and there may not be enough material. As long as we're talking small, no problem, but really big diversions are much better than thinking small.
7. MRGO Ecosystem Restoration Area Projects- I'm not real familiar with this, but my gut feeling is that a lot of this may not be worth doing. For example- shoreline protection (rocks). Large-scale marsh creation using local borrow material (giant holes). Ridge restoration (spoil banks).

In addition to simply a response to the existing proposal, I would like to recommend a different approach, assuming that we are not constrained to using existing projects only. Assuming this might represent an opportunity to propose what is actually needed to respond to the serious problem of wetland loss in the Mississippi River Deltaic Plain, I propose an alternative approach based on a few very large Mississippi River Diversions. See Blum and Roberts (2009), Day et al. (2007), and Kim et al. (2009). I would propose this approach to be the highest priority. To my knowledge details of such projects don't exist. If this approach is selected I would recommend convening a panel of experts to propose possible locations and

sizes, and begin the process of project development.

[attachment "MissDelta2009.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "2007_Day.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "blum_roberts_09.pdf" deleted by John Ettinger/R6/USEPA/US]

If the above proposed approach is not accepted, then I propose two additional "tiers" of projects, in terms of priority. A second tier of projects might look similar to the existing proposed list, but with some significant recommendations for deletions and additions. This tier would include "medium" size diversions and large-scale barrier island restoration for the Barataria and Terrebonne Basins. Also included would be relatively large scale canal backfilling (project not yet scoped). Canal backfilling is well documented as a restoration strategy, and is linked to what is probably the second greatest cause of Louisiana coastal wetland loss (oil and gas canals), but is virtually unutilized for some reason. Other possibilities include a possible large expansion of the existing nutria reduction program. Time and again, nutria herbivory is shown as a serious contributor to Louisiana wetland loss. Terraces and marsh creation projects using local borrow would not be included. Shoreline protection would not be included. I would probably recommend adding some additional diversions generally on the scale included in the existing proposal. Additional "small" diversions carefully located to benefit the degraded Maurepas swamps, and sized correctly to avoid water quality problems, are probably needed in this tier also.

My final proposed "tier" would be of "low" priority, and would generally consist of small projects or diversions far downstream. They would include restoration approaches that are generally considered appropriate by EPA, but are on such a small scale as to have relatively low impact. Generally, these would include small diversions, especially those far downstream, small-scale barrier island restoration, and marsh creation using sediment from the Mississippi River. The typical EPA CWPPRA project would fall into this category. The existing Jean Lafitte National Park canal backfilling project would also fit in this tier.

[attachment "JELA_Public_Review_EA_Canal_Backfillingo.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "baustianturnerpaper.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "Canal Reclamation Project Handout 1009.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaim 404Permit and TransmittalLtr 04282010.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaimJPNDrawings.pdf" deleted by John Ettinger/R6/USEPA/US]

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202

phone: 214-665-6687
FAX: 214-665-6689

From: Paul Kaspar/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/14/2010 10:21 AM
Subject: Fw: proposed restoration projects

[attachment "EPA R6 Response and Recovery Priorities.docx" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To:

To: Kenneth Teague/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA

Cc: Karen McCormick/R6/USEPA/US@EPA

Date: 06/14/2010 02:07 PM

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish

ct:

Ken,

Certainly, Hope Canal is the preference. But if you could build both, would you?

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 02:00 PM CDT

To: Denise Hamilton

Cc: John Ettinger; Karen McCormick

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

As I have been telling folks, this project was an alternative we considered early in project planning for our CWPPRA project, River Reintroduction into Maurepas Swamp (PO-29). That alternative was specifically rejected as documented in Lee Wilson & Assoc. (2001). The following is a direct quote from that report:

The initial evaluation identified a significant problem with the two upstream sites and, by extension, any diversion into the upper part of the Maurepas basin. Specifically, a diversion at either the Romeville or Convent sites would deliver water directly to the headwaters of the Blind River. Information compiled during this study determined that channel capacity of the Blind River is relatively large, so that most diverted water would be delivered directly to Lake Maurepas. Avoiding this problem, if possible at all, would require complex and expensive engineering structures and would interfere with navigation in the river. Consequently, diversions in these locations would have minimal benefit to the swamps, and deliver the maximum nutrient load and turbidity to Lake Maurepas. In addition, the Blind River has development along the rivers banks, and addition of diverted water would lead to stage increases that could add to flooding concerns.

To further bolster this argument, EPA and LOCPR contracted with URS Corp. to undertake hydrodynamic modeling of this alternative. URS (2009 draft) concluded:

The results indicate that the vast majority of the 2,000 cfs flow was carried within the river channel to Lake Maurepas (Figure 3-7).

The flows along the three arcs have a similar magnitude, indicating that if the diversion was introduced in the Blind River most of the flow (> 75%) would go directly down the river to Lake Maurepas.

The clear implications of the URS conclusion are that ecological benefits would be minimal, and water quality risk in Lake Maurepas is high. This is a very serious concern. We spent a lot of money and effort avoiding this problem on our project. I strongly recommend that we comment on this, unless the project includes features that would clearly mitigate for this effect.

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Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr Barbara Keeler/R6/USEPA/US
o
m:

To Kenneth Teague/R6/USEPA/US@EPA
:

Cc John Ettinger/R6/USEPA/US@EPA
:

Da 05/30/2010 07:31 PM
te:

Su Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion
bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

ct:

Ken, John & I would really appreciate your thoughts on this one of a pile of LCA NEPA reviews we'll be working on this month. Thanks.

-----Forwarded by Barbara Keeler/R6/USEPA/US on 05/30/2010 07:29PM -----

To: Guy Donaldson/R6/USEPA/US@EPA, Shirley Augurson/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Thomas Diggs/R6/USEPA/US@EPA, Jeffrey Riley/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, Hector Pena/R6/USEPA/US@EPA
From: Michael Jansky/R6/USEPA/US
Date: 05/28/2010 09:06AM
Cc: Cathy Gilmore/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA
Subject: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

REQUEST FOR ASSOCIATED ENVIRONMENTAL REVIEW AND COMMENT ASSISTANCE AND EXPERTISE

The subject DEIS has been forwarded for you and /or designated staff to review and to provide comments in your areas of jurisdiction and expertise as required by Section 309 of the Clean Air Act pursuant to the National Environmental Policy Act . To accommodate the established review schedule, we are requesting comments by *COB Monday, June 21, 2010* . We have attached a Pdf file of the DEIS and supporting documents to the 309 National EIS/Tracking System form shown below . If you have any questions please call me at the number listed below or e-mail me for assistance .

Michael Jansky
Regional EIS Coordinator
Office of Planning and Coordination
EXT 5-7451

----- Forwarded by Michael Jansky/R6/USEPA/US on 05/28/2010 09:01 AM -----

NATIONAL EIS / 309 TRACKING SYSTEM

REVIEWER INPUT FORM

EIS TITLE: Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA	
CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: Draft EIS	Date Reviewing Region Received Doc: 05/25/2010
EIS Filed Date: 05/14/2010	CEQ Federal Register Date: 05/21/2010
Regional Document No:	Regional Project No:
Principal Reviewing Region: 6 Principal Reviewer Name: Principal Reviewer Phone:	General Issues/Remarks/Tracking Information:
Environmental Issues:	
Project Latitude:	Project Longitude:
CEQ Comment Due Date: 07/05/2010	EPA Extension Date:
EPA Comment Letter Date:	Rating:
Summary Paragraph of Comment Letter (for Federal Register):	
Nationally Significant?	

EPA COMMENT LETTER

Attachment Field: *(See attached file: Blind River Vol IV Attachments.pdf) (See attached file: Blind River Vol IV may 11 draft 3.1.pdf)*

Attachment Field - Instructions

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 1. Scan into one PDF file, the original dated, signed letter and all attachments,
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 4. Press Create

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EIS Title: Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: D	Lead Department: DOD
Lead Agency: USACE	Other Lead Agencies:
Lead Agency Contact Name: Dr. William P. Klein, Jr.	Lead Agency Contact Phone: 504-862-2540
	Lead Agency Contact E-Mail:
EIS Website:	
EIS Cooperating Agency(s) Federal:	EIS Cooperating Agency(s) Other:
Key State: LA	Key Counties:
Other States:	Other Counties:
EPA Region: 6	Associate EPA Region(s)(If any):
EIS Filed Date: 05/14/2010	CEQ Comment Due Date: 07/05/2010
CEQ Federal Register Date: 05/21/2010	Federal Register Amended Notice:
CEQ Record History: The above EIS is Tier To FEIS 20040509 filed 11-05/2004.	Federal Register Amended Notice Date:
ERP Federal Register Date:	ERP History:
Supplemental Information:	

Archive Information:

[attachment "Blind River Vol IV Attachments.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Blind River Vol IV may 11 draft 3.1.pdf" deleted by Kenneth Teague/R6/USEPA/US]

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Fr John Ettinger/R6/USEPA/US
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To Kenneth Teague/R6/USEPA/US@EPA
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Da 06/14/2010 02:14 PM
te:

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bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish
ct:

We have draft EIS for blind river in Dallas. Want to check it out?

----- Original Message -----

From: Kenneth Teague
Sent: 06/14/2010 02:13 PM CDT
To: John Ettinger
Cc: Denise Hamilton; Karen McCormick

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish

Not unless the previously identified issues have clearly been resolved. Without resolution of these issues, you get minimal benefits and a very significant risk of harmful or nuisance algal blooms in Lake Maurepas. If these issues have been deliberated in detail, and solutions are included, then no problem. At a minimum, there should be credible hydrodynamic modeling to support the assertion that these problems have in fact been resolved.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
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Regional EIS Coordinator
Office of Planning and Coordination
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CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: Draft EIS	Date Reviewing Region Received Doc: 05/25/2010
EIS Filed Date: 05/14/2010	CEQ Federal Register Date: 05/21/2010
Regional Document No:	Regional Project No:
Principal Reviewing Region: 6 Principal Reviewer Name: Principal Reviewer Phone:	General Issues/Remarks/Tracking Information:
Environmental Issues:	
Project Latitude:	Project Longitude:
CEQ Comment Due Date: 07/05/2010	EPA Extension Date:
EPA Comment Letter Date:	Rating:
Summary Paragraph of Comment Letter (for Federal Register):	
Nationally Significant?	

EPA COMMENT LETTER

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- Adding the attachment to the document:
 1. Place the cursor in the Attachment field
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 3. Find the file you wish to attach using windows panel or enter file name with full path where it says to enter file name.
 4. Press Create

FILING / BASIC DOCUMENT FORM

EIS Title: Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: D	Lead Department: DOD
Lead Agency: USACE	Other Lead Agencies:
Lead Agency Contact Name: Dr. William P. Klein, Jr.	Lead Agency Contact Phone: 504-862-2540
	Lead Agency Contact E-Mail:

EIS Website:

EIS Cooperating Agency(s) Federal:	EIS Cooperating Agency(s) Other:
Key State: LA	Key Counties:
Other States:	Other Counties:
EPA Region: 6	Associate EPA Region(s)(If any):
EIS Filed Date: 05/14/2010	CEQ Comment Due Date: 07/05/2010
CEQ Federal Register Date: 05/21/2010	Federal Register Amended Notice:
CEQ Record History: The above EIS is Tier To FEIS 20040509 filed 11-05/2004.	Federal Register Amended Notice Date:
ERP Federal Register Date:	ERP History:

Supplemental Information:

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F David Reazin/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/14/2010 02:26 PM

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S Region 6 WQ Situation Update #31 (6-14-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr "Anderson, Wayne P (MPCA)" <Wayne.P.Anderson@state.mn.us>
o

m:

To "Robert E. Magnien" <Rob.Magnien@noaa.gov>, Darrell Brown/DC/USEPA/US@EPA

:

Cc "BakerB@dnr.state.wi.us" <BakerB@dnr.state.wi.us>, "Bryan.Hopkins@dnr.mo.gov" <Bryan.Hopkins@dnr.mo.gov>, "David.Hanselmann@dnr.state.oh.us" <David.Hanselmann@dnr.state.oh.us>, "Dean.lemke@iowaAgriculture.gov" <Dean.lemke@iowaAgriculture.gov>, "Ddpaleosol@aol.com" <Ddpaleosol@aol.com>, "Dugan.Sabins@la.gov" <Dugan.Sabins@LA.GOV>, "Earl.Smith@arkansas.gov" <Earl.Smith@arkansas.gov>, "Goca@gov.state.la.us" <Goca@gov.state.la.us>, "Greg.Nageotte@dnr.state.oh.us" <Greg.Nageotte@dnr.state.oh.us>, "Jared.Thornley@illinois.gov" <Jared.Thornley@illinois.gov>, "John.Kessler@dnr.state.oh.us" <John.Kessler@dnr.state.oh.us>, "John.McClurkan@state.tn.us" <John.McClurkan@state.tn.us>, "Ken.Brazil@arkansas.gov" <Ken.Brazil@arkansas.gov>, "lmsrbc@gmail.com" <lmsrbc@gmail.com>, "Mike.Wells@dnr.mo.gov" <Mike.Wells@dnr.mo.gov>, "PTennant@orsanco.org" <PTennant@orsanco.org>, "Richard_Ingram@deq.state.ms.us" <Richard_Ingram@deq.state.ms.us>, "Jerry_Cain@deq.state.ms.us" <Jerry_Cain@deq.state.ms.us>, "Susan.Sylvester@wisconsin.gov" <Susan.Sylvester@wisconsin.gov>, "Warren.Goetsch@illinois.gov" <Warren.Goetsch@illinois.gov>, "msbelanc@aol.com" <msbelanc@aol.com>, "Alan.Lewitus@noaa.gov" <Alan.Lewitus@noaa.gov>, "Arnab.Raychaudhuri@us.army.mil" <Arnab.Raychaudhuri@us.army.mil>, "Brenda_Moraska_Lafrancois@nps.gov" <Brenda_Moraska_Lafrancois@nps.gov>, "Carl.Lucero@usda.gov" <Carl.Lucero@usda.gov>, "Dan.Jaynes@ars.usda.gov" <Dan.Jaynes@ARS.USDA.GOV>, "David.A.Vigh@usace.army.mil" <David.A.Vigh@usace.army.mil>, "David.Kidwell@noaa.gov" <David.Kidwell@noaa.gov>, "David.M.Soballe@usace.army.mil" <David.M.Soballe@usace.army.mil>, "David.Scheurer@NOAA.GOV" <David.Scheurer@noaa.gov>, "Denesia_Cheek@nps.gov" <Denesia_Cheek@nps.gov>, "Doug_Frue@fws.gov" <Doug_Frue@fws.gov>, "Howard.Hankin@wdc.usda.gov" <Howard.Hankin@wdc.usda.gov>, "James.r.Hannon@usace.army.mil" <James.r.Hannon@usace.army.mil>, "Jaynes@nstl.gov" <Jaynes@nstl.gov>, "Jward@usgs.gov" <Jward@usgs.gov>, "Larry.Pugh@noaa.gov" <Larry.Pugh@noaa.gov>, "Mark.Peters@wdc.usda.gov" <Mark.Peters@wdc.usda.gov>, "Mdwoodsi@usgs.gov" <Mdwoodsi@usgs.gov>, "Mike.Shannon@ars.usda.gov" <Mike.Shannon@ARS.USDA.GOV>, "Mribaud@ers.usda.gov" <Mribaud@ers.usda.gov>, "Paul.F.Wagner@us.army.mil" <Paul.F.Wagner@us.army.mil>, "Richard.Swenson@wdc.usda.gov" <Richard.Swenson@wdc.usda.gov>, "Skip.Hyberg@wdc.usda.gov" <Skip.Hyberg@wdc.usda.gov>, "Steven.L.Ashby@usace.army.mil" <Steven.L.Ashby@usace.army.mil>, "Teresa_Woods@fws.gov" <Teresa_Woods@fws.gov>, "Zoltan.L.Montvai@HQ02.usace.army.mil" <Zoltan.L.Montvai@HQ02.usace.army.mil>, Chris Lewicki/DC/USEPA/US@EPA, George Utting/DC/USEPA/US@EPA, Jacques Oliver/DC/USEPA/US@EPA, Jill Dean/DC/USEPA/US@EPA, Kathy Hurd/DC/USEPA/US@EPA, Katie Flahive/DC/USEPA/US@EPA, Kellie Kubena/DC/USEPA/US@EPA, Mario Sengco/DC/USEPA/US@EPA, Michelle Schutz/DC/USEPA/US@EPA, Paula Diaz/DC/USEPA/US@EPA, Rosaura Vega/DC/USEPA/US@EPA, Samantha Fontenelle/DC/USEPA/US@EPA, Sylvia Malm/DC/USEPA/US@EPA, Steve Whitlock/DC/USEPA/US@EPA, Hazel Groman/DC/USEPA/US@EPA, Benita Best-Wong/DC/USEPA/US@EPA, Bryon Griffith/GMPO/USEPA/US@EPA, Aaron Bell/DC/USEPA/US@EPA, Brenda Groskinsky/R7/USEPA/US@EPA, Damon Frizzell/R7/USEPA/US@EPA, Ed Decker/R4/USEPA/US@EPA, William Franz/R5/USEPA/US@EPA, Gregory Colianni/DC/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen Flournoy/R7/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Larinda Tervelt/R4/USEPA/US@EPA, William Melville/R4/USEPA/US@EPA, Michael Haire/DC/USEPA/US@EPA, Phil Bass/GMPO/USEPA/US@EPA, Rick Greene/GB/USEPA/US@EPA, Troy Pierce/GMPO/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Spratlin/R7/USEPA/US@EPA, William Swietlik/DC/USEPA/US@EPA, Timothy Henry/R5/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Joe Piotrowski/R3/USEPA/US@EPA, Aaron Kornbluth/DC/USEPA/US@EPA, Jessica Spence/DC/USEPA/US@EPA, "Mosso, Dacia" <Dacia.Mosso@tetrattech.com>, "gms.inc@att.net" <gms.inc@att.net>

Da 06/14/2010 02:27 PM

te:

Su RE: Oil Spill - Hypoxic Zone Fact Sheet

bje

ct:

Rob, Here is a blog from the top of the river, connecting the spill and hypoxia and emphasizing the need for resilience in our ecosystems and especially the connectivity of the Gulf with the Mississippi River and the heartland.

<http://blog.lib.umn.edu/ione/rivertalk/2010/06/resilience-needed-in-the-gulf-and-on-the-river.html>

Wayne

-----Original Message-----

From: Robert E. Magnien [<mailto:Rob.Magnien@noaa.gov>]

Sent: Friday, May 28, 2010 4:40 PM

To: Brown.Darrell@epamail.epa.gov

Cc: BakerB@dnr.state.wi.us; Bryan.Hopkins@dnr.mo.gov; David.Hanselmann@dnr.state.oh.us;
Dean.lemke@IowaAgriculture.gov; Ddpaleosol@aol.com; Dugan.Sabins@la.gov; Earl.Smith@arkansas.gov;
Goca@gov.state.la.us; Greg.Nageotte@dnr.state.oh.us; Jared.Thornley@illinois.gov;
John.Kessler@dnr.state.oh.us; John.McClurkan@state.tn.us; Ken.Brazil@arkansas.gov; lmrsbc@gmail.com;
Mike.Wells@dnr.mo.gov; PTennant@orsanco.org; Richard_Ingram@deq.state.ms.us; Jerry_Cain@deq.state.ms.us;
Susan.Sylvester@wisconsin.gov; Warren.Goetsch@illinois.gov; Anderson, Wayne P (MPCA); msbelanc@aol.com;
Alan.Lewitus@noaa.gov; Arnab.Raychaudhuri@us.army.mil; Brenda_Moraska_Lafrancois@nps.gov;
Carl.Lucero@usda.gov; Dan.Jaynes@ars.usda.gov; David.A.Vigh@usace.army.mil; David.Kidwell@noaa.gov;
David.M.Soballe@usace.army.mil; David.Scheurer@NOAA.GOV; Denesia_Cheek@nps.gov; Doug_Fruge@fws.gov;
Howard.Hankin@wdc.usda.gov; James.r.Hannon@usace.army.mil; Jaynes@nstl.gov; Jward@usgs.gov;
Larry.Pugh@noaa.gov; Mark.Peters@wdc.usda.gov; Mdwoodsi@usgs.gov; Mike.Shannon@ars.usda.gov;
Mribaudo@ers.usda.gov; Paul.F.Wagner@us.army.mil; Richard.Swenson@wdc.usda.gov; Skip.Hyberg@wdc.usda.gov;
Steven.L.Ashby@usace.army.mil; Teresa_Woods@fws.gov; Zoltan.L.Montvai@HQ02.usace.army.mil;
Lewicki.Chris@epamail.epa.gov; Utting.George@epamail.epa.gov; Oliver.Jacques@epamail.epa.gov;
Dean.Jill@epamail.epa.gov; Hurlld.Kathy@epamail.epa.gov; Flahive.Katie@epamail.epa.gov;
Kubena.Kellie@epamail.epa.gov; Sengco.Mario@epamail.epa.gov; Schutz.Michelle@epamail.epa.gov;
Diaz.Paula@epamail.epa.gov; Vega.Rosaura@epamail.epa.gov; Fontenelle.Samantha@epamail.epa.gov;
Malm.Sylvia@epamail.epa.gov; Whitlock.Steve@epa.gov; Groman.Hazel@epamail.epa.gov;
Best-Wong.Benita@epamail.epa.gov; Griffith.Bryon@epamail.epa.gov; Bell.Aaron@epamail.epa.gov;
Grosinsky.Brenda@epamail.epa.gov; Frizzell.Damon@epamail.epa.gov; Decker.Ed@epamail.epa.gov;
Franz.William@epa.gov; Colianni.Gregory@epamail.epa.gov; Watson.Jane@epamail.epa.gov;
Flournoy.Karen@epamail.epa.gov; Teague.Kenneth@epamail.epa.gov; Tervelt.Larinda@epamail.epa.gov;
Melville.William@epa.gov; Haire.Michael@epamail.epa.gov; Bass.Phil@epamail.epa.gov;
Greene.Rick@epamail.epa.gov; Pierce.Troy@epamail.epa.gov; Honker.William@epamail.epa.gov;
Spratlin.William@epamail.epa.gov; Swietlik.William@epamail.epa.gov; Henry.Timothy@epamail.epa.gov;
Thomas.Chris@epamail.epa.gov; piotrowski.joe@epa.gov; Kornbluth.Aaron@epamail.epa.gov;
Spence.Jessica@epamail.epa.gov; Mosso, Dacia; gms.inc@att.net
Subject: Oil Spill - Hypoxic Zone Fact Sheet

Folks,
Here's a fact sheet that we put together re. the potential relationships between the Gulf hypoxic zone and the oil spill.
Feel free to contact me if you have any questions or perspective on this issue.
Have a great holiday weekend!
-Rob

PS - The fact sheet is also online under the "oil spill response" section of NOAA fact sheets:
<http://www.noaa.gov/factsheets.html>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr John Ettinger/R6/USEPA/US
o
m:

To Kenneth Teague/R6/USEPA/US@EPA
:
Da 06/14/2010 02:34 PM
te:

Su Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish
ct:

Got it. Thanks.

----- Original Message -----

From: Kenneth Teague
Sent: 06/14/2010 02:32 PM CDT
To: John Ettinger

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish

Apparently Denise is taking the lead on reviewing this? These comments were submitted primarily as input for her consideration. I did briefly look at the actual EIS. It does include specific mention of hydrologic outfall/management, but it did not appear they had done modeling to confirm they had solved the problems. Lee Wilson et al (2001) thought it would be very difficult to solve these problems. Project sponsors should work to resolve these concerns. If and when they are resolved, then I could support this project.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr John Ettinger/R6/USEPA/US
o
m:

To Kenneth Teague/R6/USEPA/US@EPA
:

Da 06/14/2010 02:14 PM
te:

Su Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion
bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish
ct:

We have draft EIS for blind river in Dallas. Want to check it out?

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 02:13 PM CDT

To: John Ettinger

Cc: Denise Hamilton; Karen McCormick

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish

Not unless the previously identified issues have clearly been resolved. Without resolution of these issues, you get minimal benefits and a very significant risk of harmful or nuisance algal blooms in Lake Maurepas. If these issues have been deliberated in detail, and solutions are included, then no problem. At a minimum, there should be credible hydrodynamic modeling to support the assertion that these problems have in fact been resolved.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr John Ettinger/R6/USEPA/US

m:

To Kenneth Teague/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA

:

Cc Karen McCormick/R6/USEPA/US@EPA

:

Da 06/14/2010 02:07 PM

te:

Su Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion

bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish
ct:

Ken,

Certainly, Hope Canal is the preference. But if you could build both, would you?

----- Original Message -----

From: Kenneth Teague

Sent: 06/14/2010 02:00 PM CDT

To: Denise Hamilton

Cc: John Ettinger; Karen McCormick

Subject: Re: Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

As I have been telling folks, this project was an alternative we considered early in project planning for our CWPPRA project, River Reintroduction into Maurepas Swamp (PO-29). That alternative was specifically rejected as documented in Lee Wilson & Assoc. (2001). The following is a direct quote from that report:

The initial evaluation identified a significant problem with the two upstream sites and, by extension, any diversion into the upper part of the Maurepas basin. Specifically, a diversion at either the Romeville or Convent sites would deliver water directly to the headwaters of the Blind River. Information compiled during this study determined that channel capacity of the Blind River is relatively large, so that most diverted water would be delivered directly to Lake Maurepas. Avoiding this problem, if possible at all, would require complex and expensive engineering structures and would interfere with navigation in the river. Consequently, diversions in these locations would have minimal benefit to the swamps, and deliver the maximum nutrient load and turbidity to Lake Maurepas. In addition, the Blind River has development along the rivers banks, and addition of diverted water would lead to stage increases that could add to flooding concerns.

To further bolster this argument, EPA and LOCPR contracted with URS Corp. to undertake hydrodynamic modeling of this alternative. URS (2009 draft) concluded:

The results indicate that the vast majority of the 2,000 cfs flow was carried within the river channel to Lake Maurepas (Figure 3-7). The flows along the three arcs have a similar magnitude, indicating that if the diversion was introduced in the Blind River most of the flow (> 75%) would go directly down the river to Lake Maurepas.

The clear implications of the URS conclusion are that ecological benefits would be minimal, and water quality risk in Lake Maurepas is high. This is a very serious concern. We spent a lot of money and effort avoiding this problem on our project. I strongly recommend that we comment on this, unless the project includes features that would clearly mitigate for this effect.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

Fr
o Barbara Keeler/R6/USEPA/US
m:

To Kenneth Teague/R6/USEPA/US@EPA
:
Cc John Ettinger/R6/USEPA/US@EPA
:

Da 05/30/2010 07:31 PM
te:

Su Fw: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion
bje Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA
ct:

Ken, John & I would really appreciate your thoughts on this one of a pile of LCA NEPA reviews we'll be working on this month. Thanks.

-----Forwarded by Barbara Keeler/R6/USEPA/US on 05/30/2010 07:29PM -----

To: Guy Donaldson/R6/USEPA/US@EPA, Shirley Augurson/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Thomas Diggs/R6/USEPA/US@EPA, Jeffrey Riley/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, Hector Pena/R6/USEPA/US@EPA
From: Michael Jansky/R6/USEPA/US
Date: 05/28/2010 09:06AM
Cc: Cathy Gilmore/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA
Subject: Request for review and comment on the Draft Environmental Impact Statement for the Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

REQUEST FOR ASSOCIATED ENVIRONMENTAL REVIEW AND COMMENT ASSISTANCE AND EXPERTISE

The subject DEIS has been forwarded for you and /or designated staff to review and to provide comments in your areas of jurisdiction and expertise as required by Section 309 of the Clean Air Act pursuant to the National Environmental Policy Act . To accommodate the established review schedule, we are requesting comments by *COB Monday, June 21, 2010* . We have attached a Pdf file of the DEIS and supporting documents to the 309 National EIS/Tracking System form shown below . If you have any questions please call me at the number listed below or e-mail me for assistance .

Michael Jansky
Regional EIS Coordinator
Office of Planning and Coordination
EXT 5-7451

----- Forwarded by Michael Jansky/R6/USEPA/US on 05/28/2010 09:01 AM -----

NATIONAL EIS / 309 TRACKING SYSTEM

REVIEWER INPUT FORM

EIS TITLE: Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA	
CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: Draft EIS	Date Reviewing Region Received Doc: 05/25/2010
EIS Filed Date: 05/14/2010	CEQ Federal Register Date: 05/21/2010
Regional Document No:	Regional Project No:
Principal Reviewing Region: 6 Principal Reviewer Name: Principal Reviewer Phone:	General Issues/Remarks/Tracking Information:
Environmental Issues:	
Project Latitude:	Project Longitude:
CEQ Comment Due Date: 07/05/2010	EPA Extension Date:
EPA Comment Letter Date:	Rating:
Summary Paragraph of Comment Letter (for Federal Register): Nationally Significant?	

EPA COMMENT LETTER

Attachment Field: *(See attached file: Blind River Vol IV Attachments.pdf) (See attached file: Blind River Vol IV may 11 draft 3.1.pdf)*

Attachment Field - Instructions

- Creating the Attachment
 1. Scan into one PDF file, the original dated, signed letter and all attachments,
 2. Name the file using the full CEQ Number. For example, .pdf .
- Adding the attachment to the document:
 1. Place the cursor in the Attachment field

2. Click on File from the Command Line (Top left of screen), Click on Attach, **or**
Click on PaperClip icon (Top of screen)
3. Find the file you wish to attach using windows panel or enter file name with full path where it says to enter file name.
4. Press Create

FILING / BASIC DOCUMENT FORM

EIS Title: Small Diversion at Convent/Blind River, Proposes to construct a Freshwater Diversion Project, Integrated Feasibility Study, Louisiana Coastal Area, St. James Parish, LA

CEQ Number: 20100182	ERP Number: COE-G39057-LA
Document Type: D	Lead Department: DOD
Lead Agency: USACE	Other Lead Agencies:
Lead Agency Contact Name: Dr. William P. Klein, Jr.	Lead Agency Contact Phone: 504-862-2540
	Lead Agency Contact E-Mail:

EIS Website:

EIS Cooperating Agency(s) Federal:	EIS Cooperating Agency(s) Other:
Key State: LA	Key Counties:
Other States:	Other Counties:
EPA Region: 6	Associate EPA Region(s)(If any):
EIS Filed Date: 05/14/2010	CEQ Comment Due Date: 07/05/2010
CEQ Federal Register Date: 05/21/2010	Federal Register Amended Notice:
CEQ Record History: The above EIS is Tier To FEIS 20040509 filed 11-05/2004.	Federal Register Amended Notice Date:
ERP Federal Register Date:	ERP History:

Supplemental Information:

Archive Information:

[attachment "Blind River Vol IV Attachments.pdf" deleted by Kenneth Teague/R6/USEPA/US] [attachment "Blind River Vol IV may 11 draft 3.1.pdf" deleted by Kenneth Teague/R6/USEPA/US]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Paul Kaspar/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/14/2010 02:39 PM
Subject: List of Coastal Restoration Projects

Attached is the list I compiled. Work your magic to put into your vision, and I can help fill in some of the informational blanks.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Karen McCormick/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA, R6 6WQ-EC, Doug Mundrick/R4/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA
Date: 06/14/2010 03:29 PM
Subject: Fw: Deepwater Horizon SitRep 48
ct:

FYI

Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 06/14/2010 03:26 PM -----

F Paige Delgado/R6/USEPA/US
r
o
m

:
T Adam Adams <Adams.Adam@epa.gov>, Al Armendariz/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Ben Harrison/R6/USEPA/US@EPA, Betty Brousseau
o <Betty.Brousseau@LA.GOV>, Betty Williamson/R6/USEPA/US@EPA, bhattacharya.dipanjana@epa.gov, brad.morgan@westonsolutions.com, Carl Edlund/R6/USEPA/US@EPA,
: Carmen Assunto/R6/USEPA/US@EPA, Chad Nitsch/DC/USEPA/US@EPA, Charles Faultry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US, Chris
Petersen/R6/USEPA/US@EPA, Christopher Ruhl/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Craig Clinton/R5/USEPA/US@EPA,
Cynthia Fanning/R6/USEPA/US@EPA, Dana Tulis/DC/USEPA/US@EPA, Daniel Odem <Daniel.Odem@LA.GOV>, daniel.odem@la.gov, Dave Mickunas/RTP/USEPA/US@EPA, Dave
Williams/SUPR/R7/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA, David Bary/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA, David
Neleigh/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debbie Dietrich/DC/USEPA/US@EPA, Deborah Ponder/R6/USEPA/US@EPA, Diane Taheri/R6/USEPA/US@EPA,
Edwin Debiew/R6/USEPA/US@EPA, Edwin Quinones/R6/USEPA/US@EPA, elizabeth.doomes@westonsolutions.com, EOC Situation Unit@EPA, Eric Delgado/R6/USEPA/US@EPA,
Eric Paisley/R6/USEPA/US@EPA, Eugene Lee/DC/USEPA/US@EPA, Gary Miller/R6/USEPA/US@EPA, Gary Moore/R6/USEPA/US@EPA, Gilberto Irizarry/DC/USEPA/US@EPA,
Gregory Lyssy/R6/USEPA/US@EPA, Iantha Maness/OIG/USEPA/US@EPA, Ivan Vikin/R6/USEPA/US@EPA, James Staves/R6/USEPA/US@EPA, Janie
Acevedo/R6/USEPA/US@EPA, Janie Acevedo/R6/USEPA/US@EPA, Jean Bloom/R1/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, jeff.meyers@la.gov, Jeffrey
Clark/RTP/USEPA/US@EPA, Joe Schaefer/ERT/R2/USEPA/US@EPA, John Blevins/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, Karen
McCormick/R6/USEPA/US@EPA, Katy Miley/SUPR/R7/USEPA/US@EPA, Kenneth Buchholz/R7/USEPA/US@EPA, Kevin Mould/DC/USEPA/US@EPA, Laura
Hunt/R6/USEPA/US@EPA, Lawrence Starfield/R6/USEPA/US@EPA, Lindsay.maloan@la.gov, Lisa Boynton/DC/USEPA/US@EPA, Lourdes.Iturralde@LA.GOV, Lynda
Carroll/R6/USEPA/US@EPA, Marc Greenberg/ERT/R2/USEPA/US@EPA, Maria Martinez/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark
Hansen/R6/USEPA/US@EPA, Markj Thomas/R7/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matt Taylor/R4/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA,
Michele Conlon/RTP/USEPA/US@EPA, michele.laur@wdc.usda.gov, Miguel Flores/R6/USEPA/US@EPA, Mike McAteer/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA,
Myron Knudson/R6/USEPA/US@EPA, Nancy Jones/R6/USEPA/US@EPA, Nicolas Brescia/R6/USEPA/US@EPA, Omar Martinez/R6/USEPA/US@EPA, delgado.paige@epa.gov, Pam
Phillips/R6/USEPA/US@EPA, Patrick Young/R6/USEPA/US@EPA, Paulette Johnsey/R6/USEPA/US@EPA, peggy.hatch@la.gov, Philip Turner/R6/USEPA/US@EPA, R6 DWH REOC
PSC@EPA, R6 OSC, Randy Schademmann/SUPR/R7/USEPA/US@EPA, Richard Mayer/R6/USEPA/US@EPA, Richard Wayland/RTP/USEPA/US@EPA, Ronnie
Crossland/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Sam Becker/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA, Scott Hayes/R7/USEPA/US@EPA,
Shane Hitchcock/R4/USEPA/US@EPA, Sherry Fielding/DC/USEPA/US@EPA, Stephen Gilrein/R6/USEPA/US@EPA, Steve Mason/R6/USEPA/US@EPA, Steve
Page/RTP/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Suzanne Murray/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA,
Timothy Curry/R7/USEPA/US@EPA, Valmichael Leos/R6/USEPA/US@EPA, Vernon Jackson/R6/USEPA/US@EPA, Warren Zehner/R6/USEPA/US@EPA, William

Honker/R6/USEPA/US@EPA, William Luthans/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA, Al Armendariz/R6/USEPA/US@EPA, Ben Harrison/R6/USEPA/US@EPA, Betty Brousseau <Betty.Brousseau@LA.GOV>, Betty Williamson/R6/USEPA/US@EPA, Carl Edlund/R6/USEPA/US@EPA, Carmen Assunto/R6/USEPA/US@EPA, Chad Nitsch/DC/USEPA/US@EPA, Charles Faultry/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Cynthia Fanning/R6/USEPA/US@EPA, Dana Tulis/DC/USEPA/US@EPA, daniel.odem@la.gov, Dave Mickunas/RTP/USEPA/US@EPA, Dave Wright/ERT/R2/USEPA/US@EPA, David Bary/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA, David Neleigh/R6/USEPA/US@EPA, Debbie Dietrich/DC/USEPA/US@EPA, Deborah Ponder/R6/USEPA/US@EPA, Diane Taheri/R6/USEPA/US@EPA, Edwin Quinones/R6/USEPA/US@EPA, EOC Situation Unit@EPA, Eugene Lee/DC/USEPA/US@EPA, Gary Miller/R6/USEPA/US@EPA, Gilberto Irizarry/DC/USEPA/US@EPA, lantha Maness/OIG/USEPA/US@EPA, Ivan Vikin/R6/USEPA/US@EPA, Jeannine Hale/R6/USEPA/US@EPA, jeff.meyers@la.gov, Jeffrey Clark/RTP/USEPA/US@EPA, John Blevins/R6/USEPA/US@EPA, Kenneth Buchholz/R7/USEPA/US@EPA, Kevin Mould/DC/USEPA/US@EPA, Lawrence Starfield/R6/USEPA/US@EPA, Lisa Boynton/DC/USEPA/US@EPA, Lourdes.Iturralde@LA.GOV, Lynda Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA, Markj Thomas/R7/USEPA/US@EPA, Matt Taylor/R4/USEPA/US@EPA, michele.laur@wdc.usda.gov, Miguel Flores/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Myron Knudson/R6/USEPA/US@EPA, Pam Phillips/R6/USEPA/US@EPA, Paulette Johnsey/R6/USEPA/US@EPA, peggy.hatch@la.gov, R6 OSC, Richard Wayland/RTP/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Sam Becker/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA, Scott Hayes/R7/USEPA/US@EPA, Shane Hitchcock/R4/USEPA/US@EPA, Sherry Fielding/DC/USEPA/US@EPA, Stephen Gilrein/R6/USEPA/US@EPA, Steve Page/RTP/USEPA/US@EPA, Susan Webster/R6/USEPA/US@EPA, Suzanne Murray/R6/USEPA/US@EPA, Timothy Curry/R7/USEPA/US@EPA, Vernon Jackson/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, William Luthans/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA

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Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 48
Deepwater Horizon Incident, Gulf of Mexico
Date: June 14, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Reporting Period: June 13, 2010 1300 – June 14, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident **FPN#:** N10036
Mobilization Date: 4/27/2010 **Start Date:** 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 06/14 is as follows:
 - 27,471 personnel and 4,173 offshore vessels are currently responding to the incident.
 - Over 2.51 million feet of containment boom and 3.26 million feet of sorbent boom have been deployed.
 - Over 486,000 barrels of an oil-water mix have been recovered.
 - On 6/13, 14 controlled burns were conducted. A cumulative total of 192 controlled burns have been conducted.
 - The Enterprise continued oil recovery operations from the Top Cap. A total of 15,208 barrels of oil was collected on 6/13.
 - BP plans to continue subsurface dispersant application on 6/14.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 6/13 (gal.)	CUMULATIVE TOTALS as of 6/13 (gal.)
Surface	36,012	870,005
Subsurface	9,596	392,468

2.1 USCG Incident Command Post (Houma, LA).

- Unified Command indicated that a significant quantity of oil is present in Barataria Bay. Numerous skimmers and Vessels of Opportunity are working in the area. Work is expected to continue in Barataria Bay for a significant amount of time.
- EPA coordinated with the Aerial Dispersants Operations group to ensure that planning information and data flow are being optimized.
- A tropical low has formed in the Atlantic, approximately 3,800 nautical miles from the Louisiana coast. According to NOAA, there is currently a 30% chance of the storm reaching Hurricane strength and entering the gulf in approximately 10 days. The current Hurricane Contingency Plan for Houma ICP requires operations to cease 144 hours prior to landfall and ICP and Branch evacuations to begin 120 hours prior to landfall.
- Unified Command was briefed on the draft hurricane plan. State and Parish officials requested that responders evacuate prior to mandatory evacuations, so that roads will not be blocked for residential evacuations.

2.2 USCG Area Command Post (Robert, LA)

- On 6/13, EPA coordinated with NOAA personnel to schedule EPA staff on the Thomas Jefferson subsurface water monitoring cruise.

2.3 Field Activities

Samples Collected:

Type	Chalmette	Venice	Grand Isle	Cocodrie	TOTAL
Water	0	8	4	5	17
Sediment	0	0	0	1	1
Toxicity	0	0	0	0	0
Oil (mousse)	0	1	0	0	1
Summa Canisters	3	2	3	0	8
PQ200 Filters	3	3	3	0	9
PUF	1	1	1	0	3

Fixed Air Monitoring Stations:

ID	Location	City, State	Equipment Type	Observed Issues
C02	Fire Station No. 8	Poydras, LA	1,2,3,4,5	None
C04	Aycock St. Fire Station	Chalmette, LA	1,2,3,4,5,6	E
C05	Fire Station No. 11	Hopedale, LA	1,2,3,4,5	None
GI05	Grand Isle State Park	Grand Isle, LA	2,3,4,5,6	None
GI06	Grand Isle Volunteer Fire Station	Grand Isle, LA	2,3,4,5	B
GI07	Port Fourchon Port Authority	Port Fourchon, LA	2,3,4,5,6	None
V02	USCG	Venice, LA	1,2,3,4,5,6	C,D,F
V03	Welding Supply Co	Boothville, LA	1,2,3,4,5	A
V06	Buras Auditorium	Buras, LA	1,2,3,4,5	None

Equipment used at Fixed Air Location:

Equipment Type	Equipment	Monitor/Sample	Duration/Type
1	AreaRae/MultiRae	Monitor VOCs/H ₂ S/CO/O ₂	24-Hr / 1 hour averages
2	MiniRae	Monitor VOCs	24-Hr / 1 hour averages
3	PQ 200	Sample PM 2.5	24 Hour / Composite
4	Summa Canister	Sample VOCs	24 Hour / Composite
5	EBAM	Monitor PM 10	24-Hr / 1 hour averages
6	High Volume PUF	Sample SVOCs	24 Hr / Composite

Observed Issues:

- A. On 6/13, the Summa canister at Location V03 did not collect a sample due to a faulty control valve.
- B. An exceedence of the VOC action level was noted at Location GI06 at 0900 hours. The Grand Isle Air team responded to the VOC spike; however, the MinRAE unit readings had returned to normal levels by the time the team arrived at the location. The cause

of the exceedence is currently under review.

C. An exceedence of the PM10 action level was noted at Location V02 at 0100 hours due to exhaust from a vessel passing by the air monitoring location.

D. An exceedence of the PM10 action level was noted at Location V02 at 1800 hours due to heavy boat traffic and strong exhaust.

E. Hourly averages for oxygen and VOCs at Location C04 are unavailable at 2000 hours due to a power failure caused by a faulty power cord on the unit.

F. Hourly averages for oxygen, VOCs, and H₂S at Location V02 are unavailable from 0400 hours to 0700 hours due to MultiRae memory malfunction.

Description of Field Operations:

- The Grand Isle Water Operations team collected samples and conducted reconnaissance in the Eastern Portion of Barataria Bay and Cat Bay and south into the Gulf of Mexico.
- Grand Isle Water Team did not observe oil in the waters near the sampling locations.
- Venice Water Operations Team 1 collected water samples from 2 predetermined locations near the Southwest Pass in East Bay.

- Venice Water Operations Team 1 also conducted reconnaissance activities in East Bay, west and northwest of South Pass. The team identified a reddish brown, weathered, light quantity of dispersed oil and a medium oily sheen in East Bay within floating sea grass on water surface. A sample was collected from the location.
- Venice Water Operations Team 2 collected samples from previously established points near the North and Southeast Passes of the Mississippi River and from Pass A Loutre.
- Venice Water Operations Team 2 observed a reddish brown, weathered oil approximately 7 miles offshore NNE Venice, LA. Oil was also observed near Pass A Loutre. Samples were collected from both locations of observed oil.
- The Cocodrie Water Operations team conducted sampling and reconnaissance activities in the eastern Timbalier Bay including near Pierle Bay, Devil's Bay, Bell Pass East, Timbalier Island, and Casse Tete Island.
- The Cocodrie Water Operations team observed oil stained vegetation and some light sheen in the water. Approximately 0.5 miles of vegetation was affected on an unnamed marsh island in Pierle Bay. Crews were actively cleaning the marsh. Approximately 50 feet of vegetation was affected on Casse Tete Island.

2.4 TAGA

- On 6/13, TAGA performed mobile monitoring activities in EPA Region 4.
- TAGA will continue to perform mobile monitoring activities in EPA Region 4.

2.5 ASPECT

- On 6/13, ASPECT did not conduct operations due to scheduled maintenance.

2.6 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Resources:

Personnel	Dallas, TX	Robert, LA	Houma, LA	Slidell, LA	Chalmette, LA	Venice, LA	Grand Isle, LA	Cocodrie, LA	Gulfport, MS	TOTALS
EPA										
- OSC	4	2	1		1	1	2	1		12
- RSC	12		1							13
- Other	6	1								7
START	9	1	2		18	17	13	3		63
TAGA Personnel				1						1
ERT Personnel	2			4						6
ASPECT Personnel									4	4
TOTAL	33	4	4	5	19	18	15	4	4	106

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Equipment	Dallas, TX	Robert, LA	Houma, LA	Slidell, LA	Chalmette, LA	Venice, LA	Grand Isle, LA	Cocodrie, LA	Gulfport, MS	TOTALS
ASPECT									1	1
TAGA Bus				1						1
LRV/MCP		1			1	1	1			4
Gooseneck Trailer						1	1			2
20 KW Generator						1				1
Boat						2	1	1		4

* One TAGA bus has been assigned to Region 4 Operations

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US

To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA

Date: 06/14/2010 03:42 PM

Subject: Fw: LA Projects List

Ken and Paul, See below re: the project list. Ken, it looks like even my modest diversions will not make the cut. Feedback appreciated. Thanks.

----- Original Message -----

From: John Ettinger

Sent: 06/14/2010 04:40 PM EDT

To: Karen McCormick; Jane Watson; Timothy Landers; Clay Miller; EOC Water; Janet Woodka; Denise Keehner; Tanya Code

Cc: William Honker

Subject: LA Projects List

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Bill, Did I miss anything?

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From: Paul Kaspar/R6/USEPA/US

To: John Ettinger/R6/USEPA/US@EPA

Cc: Karen McCormick/R6/USEPA/US@EPA, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, Brad Crawford/R6/USEPA/US@EPA

Date: 06/14/2010 04:35 PM

Subject: Re: Fw: LA Projects List

John,

Thanks for the info. For what it's worth, guess the only project of that I'm aware of possibly meeting the criteria you mentioned is Ship Shoal-Whiskey West Flank. We have a design on the shelf and have requested CWPPRA funding in the past for this project on the western end of Whiskey Island in the Terrebone Basin. The project uses Ship Shoal sand to restore approximately 500 acres of barrier island habitat. The last fully funded cost estimate was \$61M. If you'd like any other information on the project, let me know.

Paul F. Kaspar
Marine & Coastal Section
U.S. EPA - Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
phone: 214-665-7459
fax: 214-665-6689
email: kaspar.paul@epa.gov

From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA
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Cc: William Honker
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To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 06/14/2010 04:36 PM
Subject: Re: Fw: LA Projects List

It is not that narrow. I think it will be beyond areas directly affected.

----- Original Message -----

From: Kenneth Teague
Sent: 06/14/2010 04:32 PM CDT
To: John Ettinger
Cc: Karen McCormick; Paul Kaspar
Subject: Re: Fw: LA Projects List

Thanks John. So based on the geographical/ecological nexus to the oil spill, only barrier island barrier shoreline projects will be considered? Note that few other areas have been oiled so far. It is early though and undoubtedly we are going to see lots more impacts. Is it wise to limit projects to areas that have been oiled? Maybe that's not what they mean?

If we aren't bound by that interpretation, there are some small projects that could probably be "ready to go", from cwppra, lca, ciap, but also the nps backfilling project I keep bringing up.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA
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From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/15/2010 06:50 AM
Subject: Obama Oil Spill Commission Members

Folks-

Today's June Coastal Scuttlebutt Mini-post describes impressive new five member oil spill commission, including Louisiana native Don Boesch.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA
Date: 06/15/2010 07:52 AM
Subject: Re: Fw: LA Projects List

Ken,

I will forward you the call in number for the meeting this am. Your input would be welcome. This is essentially a subteam of the Roadmap projects team you are on.

----- Original Message -----

From: Kenneth Teague

Sent: 06/15/2010 07:48 AM CDT

To: John Ettinger

Cc: Karen McCormick; Paul Kaspar

Subject: Re: Fw: LA Projects List

I just noticed the following verbage from the list:

The projects on the list fall into the broad category of oil spill response and recovery...

I have a hard time seeing how that is the case, though I don't doubt that an argument could be made as to why that is the case. The connection between diversions and barrier island restoration, and oil spills, simply isn't obvious. If this language moves forward I would recommend including an explicit argument that supports this statement.

On another note, just to be clear, as Project Manager of PO-29, I can tell you that there is almost certainly no way that project could begin work within 6 months. Engineering and Design was recently re-initiated beyond 30%. Estimated time to get to 95% design is 1 year. In addition to that, we have nearly a year's worth of NEPA work to do.

In addition to Whiskey West Flank, the NPS canal backfilling project is ready to go. I do think it would be good to propose since it is clearly ready to go, and I suspect you may have trouble finding many candidate projects that meet the criteria at all.

[attachment "JELA_Public_Review_EA_Canal_Backfillingo.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "baustianturnerpaper.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "Canal Reclamation Project Handout 1009.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaim 404Permit and TransmittalLtr 04282010.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaimJPNDrawings.pdf" deleted by John Ettinger/R6/USEPA/US]

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
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From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
Date: 06/15/2010 07:54 AM
Subject: Fw: URGENT: Request for assistance on near term restoration priorities

Here is the latest project list and criteria.

From: "Feller, Erika M." [Erika_M._Feller@ceq.eop.gov]
Sent: 06/14/2010 06:39 PM AST
To: <Jean.Cowan@noaa.gov>; <cecilia.linder@noaa.gov>; <Darryl_Clark@fws.gov>; <susan.i.rees@usace.army.mil>; <kevin.norton@la.usda.gov>; John Ettinger; <joseph.h.redican@usace.army.mil>; "Burch, Julia Cristina T." <JuliaCristina_T._Burch@ceq.eop.gov>
Cc: "Boots, Michael J." <Michael_J._Boots@ceq.eop.gov>; "Sobeck, Eileen" <Eileen_Sobeck@ios.doi.gov>; "Salt, Terrence C SES CIV USA ASA CW" <rock.salt@us.army.mil>; Janet Woodka; "White, Dave - Washington, DC" <Dave.White@wdc.usda.gov>; "Sally Yozell" <sally.yozell@noaa.gov>; "Lois Schiffer" <Lois.Schiffer@noaa.gov>; <rachel.jacobson@sol.doi.gov>; <Zoltan.L.Montvai@usace.army.mil>; <andrew.hagelin@conus.army.mil>; <William.Brighton@usdoj.gov>; <Tom.Mariani@usdoj.gov>; "Jodrey, Donald S" <Donald_Jodrey@ios.doi.gov>; <Robert.Haddad@noaa.gov>; "Lew, Shoshana M." <Shoshana_M._Lew@omb.eop.gov>; "Monje, Carlos A." <Carlos_A._Monje@who.eop.gov>; "Onek, Matthew M." <Matthew_M._Onek@who.eop.gov>; "Irwin, Janet E." <Janet_E._Irwin@omb.eop.gov>; "Levenbach, Stuart" <Stuart_Levenbach@omb.eop.gov>; "McConville, Drew" <Andrew_J._McConville@who.eop.gov>; "Miller, Jerry L." <Jerry_L._Miller@ostp.eop.gov>; "Curtis, Rita E." <Rita_E._Curtis@ostp.eop.gov>; "Nuzum, Robert S." <Robert_S._Nuzum@ceq.eop.gov>; "Kasdan, Matthew J." <Matthew_J._Kasdan@ceq.eop.gov>; <Michael.G.Ensch@usace.army.mil>; <Jainey.Bavishi@noaa.gov>
Subject: RE: URGENT: Request for assistance on near term restoration priorities

All,

Thank you all for a constructive call this afternoon – and for taking on this task.

Some follow up items:

1. Please delete previous list I sent you. Attached are documents with the “universe” of projects identified by the various agencies. Julia Burch here at CEQ (on the To: line, jburch@ceq.eop.gov or 202-395-2022) stands ready to help however you need her to. Note that NRCS, EPA, NOAA, and ACOE are in the Word attachment and the DOI projects are in the two pdf attachments.
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Finally, on process, the role you all are playing here is as the technical team reviewing these projects for appropriateness based on your knowledge of what’s going on on-the-ground. We recognize that you all focus on particular areas of the Gulf Coast. You should feel free to pull in others within your agencies who have more geographically specialized knowledge of other areas in the Gulf. But remember this is a quick turnaround. Finally, please keep this within the federal family.

Thank you for your time and input on this. Please do not hesitate to contact me if you have questions.

-erika

DRAFT – PREDECISIONAL – DELIBERATIVE – NOT ADMINISTRATION POLICY – DO NOT DISTRIBUTE

Erika M Feller
Deputy Associate Director for Ecosystems
White House Council on Environmental Quality
730 Jackson Place NW
Washington, DC 20530
Main Line: 202-456-6224
Direct: 202-456-5139
email: efeller@ceq.eop.gov

From: Feller, Erika M.

Sent: Monday, June 14, 2010 3:28 PM

To: 'Jean.Cowan@noaa.gov'; 'cecelia.linder@noaa.gov'; 'Darryl_Clark@fws.gov'; 'susan.i.rees@usace.army.mil'; Kevin Norton (kevin.norton@la.usda.gov); Ettinger.John@epamail.epa.gov

Cc: Boots, Michael J.; 'Sobeck, Eileen'; 'Salt, Terrence C SES CIV USA ASA CW'; 'Woodka.Janet@epamail.epa.gov'; 'White, Dave - Washington, DC'; 'Sally Yozell'; 'Lois Schiffer'; 'rachel.jacobson@sol.doi.gov'; 'Zoltan.L.Montvai@usace.army.mil'; 'andrew.hagelin@conus.army.mil'; 'William.Brighton@usdoj.gov'; 'Tom.Mariani@usdoj.gov'; 'Jodrey, Donald S'; 'Robert.Haddad@noaa.gov'; Lew, Shoshana M.; Monje, Carlos A.; Onek, Matthew M.; Irwin, Janet E.; Levenbach, Stuart; McConville, Drew; Miller, Jerry L.; Curtis, Rita E.; Nuzum, Robert S.; Kasdan, Matthew J.; 'Michael.G.Ensch@usace.army.mil'; 'Jainey.Bavishi@noaa.gov'

Subject: RE: URGENT: Request for assistance on near term restoration priorities

All, for our call at 3:30 p.m. Attached is the consolidated list of projects from all agencies. -erika

From: Feller, Erika M.

Sent: Monday, June 14, 2010 1:10 PM

To: 'Jean.Cowan@noaa.gov'; cecelia.linder@noaa.gov; Darryl_Clark@fws.gov; susan.i.rees@usace.army.mil; Kevin Norton (kevin.norton@la.usda.gov); Ettinger.John@epamail.epa.gov

Cc: Boots, Michael J.; 'Sobeck, Eileen'; 'Salt, Terrence C SES CIV USA ASA CW'; 'Woodka.Janet@epamail.epa.gov'; 'White, Dave - Washington, DC'; 'Sally Yozell'; 'Lois Schiffer'; 'rachel.jacobson@sol.doi.gov'; 'Zoltan.L.Montvai@usace.army.mil'; 'andrew.hagelin@conus.army.mil';

'William.Brighton@usdoj.gov'; 'Tom.Mariani@usdoj.gov'; 'Jodrey, Donald S'; 'Robert.Haddad@noaa.gov'; Lew, Shoshana M.; Monje, Carlos A.; Onek, Matthew M.; Irwin, Janet E.; Levenbach, Stuart; McConville, Drew; Miller, Jerry L.; Curtis, Rita E.; Nuzum, Robert S.; Kasdan, Matthew J.; 'Michael.G.Ensch@usace.army.mil'; 'Jainey.Bavishi@noaa.gov'

Subject: URGENT: Request for assistance on near term restoration priorities

Importance: High

Hi all,

I am writing to solicit your assistance in a quick turnaround effort to identify a set of near-term Response or Emergency Restoration projects in the Gulf region. The group in the cc line met on Friday and all agreed to identify near-term projects that can serve to decrease injury from the spill, could be turned around quickly, and will generally increase likelihood of restoring or protecting natural resources. We are not particularly worried about the distinction between Response and Emergency Restoration at this point, but we do need to be able to quickly evaluate and prioritize the projects put forward by the agencies.

We need to have a list for the principals by the afternoon of this Wednesday, June 16.

I propose that we have a quick (30 min) call this afternoon to go over what we need as I'm certain this email doesn't answer all your questions. The call in number is **202-395-6392**, and the passcode is **682 9180**.

Because of the quick turnaround and because this has a very near-term purpose, we think that we must use an evaluation mechanism different than the Roadmap projects team developed. Because of your knowledge of the dynamics of the region, and the projects on the table, we are asking you to serve an advisory role in evaluating and prioritizing these projects. I would like to have a single point of contact in each agency in the region. You should, of course, reach out and engage others within your agencies. But I ask that this effort remain within the federal family at this time.

We have asked for these project lists by today (I am awaiting the last list) and anticipate a lot of work this week to accomplish this task. I will have a compiled list to you all before the 3:30 call.

Thank you in advance for your efforts. Please respond to let me know you received this email and can be on the 3:30 call.

Thanks,
-erika

Erika M Feller
Deputy Associate Director for Ecosystems
White House Council on Environmental Quality

730 Jackson Place NW
Washington, DC 20530
Main Line: 202-456-6224
Direct: 202-456-5139
email: efeller@ceq.eop.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
Date: 06/15/2010 07:54 AM
Subject: Fw: URGENT: Request for assistance on near term restoration priorities. Conference Call Tuesday June 15 at 10:00 AM CDT

Here is the call-in number.

From: Darryl_Clark
Sent: 06/14/2010 06:25 PM EST
To: "Feller, Erika M." <Erika_M._Feller@ceq.eop.gov><Erika_M._Feller@ceq.eop.govErika_M._Feller>; <cecilia.linder@noaa.gov>; <susan.i.rees@usace.army.mil>; <kevin.norton@la.usda.gov>; John Ettinger; <joseph.h.redican@usace.army.mil>; "Burch, Julia Cristina T." <JuliaCristina_T._Burch@ceq.eop.gov>
Cc: andrew.hagelin@conus.army.mil; "McConville, Drew" <Andrew_J._McConville@who.eop.gov>; "Monje, Carlos A." <Carlos_A._Monje@who.eop.gov>; "White, Dave - Washington, DC" <Dave.White@wdc.usda.gov>; "Jodrey, Donald S" <Donald_Jodrey@ios.doi.gov>; "Sobeck, Eileen" <Eileen_Sobeck@ios.doi.gov>; Jaimey.Bavishi@noaa.gov; "Irwin, Janet E." <Janet_E._Irwin@omb.eop.gov>; "Miller, Jerry L." <Jerry_L._Miller@ostp.eop.gov>; "Lois Schiffer" <Lois.Schiffer@noaa.gov>; "Kasdan, Matthew J." <Matthew_J._Kasdan@ceq.eop.gov>; "Onek, Matthew M." <Matthew_M._Onek@who.eop.gov>; Michael.G.Ensch@usace.army.mil; "Boots, Michael J." <Michael_J._Boots@ceq.eop.gov>; rachel.jacobson@sol.doi.gov; "Curtis, Rita E." <Rita_E._Curtis@ostp.eop.gov>; Robert.Haddad@noaa.gov; "Nuzum, Robert S." <Robert_S._Nuzum@ceq.eop.gov>; "Salt, Terrence C SES CIV USA ASA CW" <rock.salt@us.army.mil>; "Sally Yozell" <sally.yozell@noaa.gov>; "Lew, Shoshana M." <Shoshana_M._Lew@omb.eop.gov>; "Levenbach, Stuart" <Stuart_Levenbach@omb.eop.gov>; susan.i.rees@usace.army.mil; Tom.Mariani@usdoj.gov; William.Brighton@usdoj.gov; Janet Woodka; Zoltan.L.Montvai@usace.army.mil; Cynthia_Dohner@fws.gov; Mark__Musaus@epamail.epa.gov; <Mark__Musaus@fws.gov/OU=,>; DaveHorning@epamail.epa.gov; <david_horning@fws.gov/O=,>;

JimBoggs@epamail.epa.gov; <Jim_Boggs

Subject: RE: URGENT: Request for assistance on near term restoration priorities. Conference Call Tuesday June 15 at 10:00 AM CDT

Thanks Erika for the revised projects lists in the e-mail below.

As discussed at Monday's Near Term Priority Restoration conference call, we will have a conference call at 10:00 AM CDT Tuesday June 15th to evaluate the revised projects list according to the three criteria discussed on Monday's call.

Those criteria, also presented below, are;

1) implementability (Can the project begin construction within 6 months?), and

2) nexus (Is the project related to the BP oil spill?).

The effect of the oil spill on a project area (Has or is it likely the oil spill will affect the project? If so, maybe the project should not be included.) may also be something we may wish to consider.

The call in numbers are below. Please contact me if you have any questions.

Thanks,

Darryl

Darryl Clark
CWPPRA Coordinator
U.S. Fish and Wildlife Service
646 Cajundome Blvd., Suite 400
Lafayette, LA 70506
337-291-3111
291-3139 fax

The call in number is **877-485-1923** and passcode is **7365179**.

If you have difficulty press "* 0." Or you can call 877-855-4797 and possibly get assistance. If you are in the same office as another, please try to double-up and use the same office phone. We have only open 20 lines.

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"Feller, Erika M." <Erika_M._Feller@ceq.eop.gov>

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06/14/2010 05:39 PM

"Boots, Michael J." <Michael_J._Boots@ceq.eop.gov>, "Sobeck, Eileen" <Eileen_Sobeck@ios.doi.gov>, "Salt, Terrence cc C SES CIV USA ASA CW" <rock.salt@us.army.mil>, <Woodka.Janet@epamail.epa.gov>, "White, Dave - Washington, DC" <Dave.White@wdc.usda.gov>, "Sally Yozell" <sally.yozell@noaa.gov>, "Lois Schiffer" <Lois.Schiffer@noaa.gov>, <rachel.jacobson@sol.doi.gov>, <Zoltan.L.Montvai@usace.army.mil>, <andrew.hagelin@conus.army.mil>, <William.Brighton@usdoj.gov>, <Tom.Mariani@usdoj.gov>, "Jodrey, Donald S" <Donald_Jodrey@ios.doi.gov>, <Robert.Haddad@noaa.gov>, "Lew, Shoshana M." <Shoshana_M._Lew@omb.eop.gov>, "Monje, Carlos A." <Carlos_A._Monje@who.eop.gov>, "Onek, Matthew M." <Matthew_M._Onek@who.eop.gov>, "Irwin, Janet E." <Janet_E._Irwin@omb.eop.gov>, "Levenbach, Stuart" <Stuart_Levenbach@omb.eop.gov>, "McConville, Drew" <Andrew_J._McConville@who.eop.gov>, "Miller, Jerry L." <Jerry_L._Miller@ostp.eop.gov>, "Curtis, Rita E." <Rita_E._Curtis@ostp.eop.gov>, "Nuzum, Robert S." <Robert_S._Nuzum@ceq.eop.gov>, "Kasdan, Matthew J." <Matthew_J._Kasdan@ceq.eop.gov>, <Michael.G.Ensch@usace.army.mil>, <Jaimey.Bavishi@noaa.gov>

RE: URGENT: Request for assistance on near term restoration priorities

Subject

All,

Thank you all for a constructive call this afternoon – and for taking on this task.

Some follow up items:

1. Please delete previous list I sent you. Attached are documents with the “universe” of projects identified by the various agencies. Julia Burch here at CEQ (on the To: line, jburch@ceq.eop.gov or 202-395-2022) stands ready to help however you need her to. Note that NRCS, EPA, NOAA, and ACOE are in the Word attachment and the DOI projects are in the two pdf attachments.
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Direct: 202-456-5139
email: efeller@ceq.eop.gov

[attachment "Gulf Coast - Consolidated NRCS EPA ACOE NOAA Near-term Project Lists 2010-06-14.docx" deleted by Darryl Clark/R4/FWS/DOI] [attachment "DOI - FWS Long Term Restoration Projects in Gulf Coast (2).pdf" deleted by Darryl Clark/R4/FWS/DOI] [attachment "DOI Engagement in Gulf Coast Oil Spill Response - immediate projects.pdf" deleted by Darryl Clark/R4/FWS/DOI]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Karen McCormick/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Cc: Paul Kaspar/R6/USEPA/US@EPA
Date: 06/15/2010 08:13 AM
Subject: Re: Fw: LA Projects List

John - would all of us to listen in on the call. Thanks. Guys let's me in my office for the call!!! Thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: John Ettinger
Sent: 06/15/2010 08:52 AM EDT
To: Kenneth Teague
Cc: Karen McCormick; Paul Kaspar
Subject: Re: Fw: LA Projects List

Ken,

I will forward you the call in number for the meeting this am. Your input would be welcome. This is essentially a subteam of the Roadmap projects team you are on.

----- Original Message -----

From: Kenneth Teague
Sent: 06/15/2010 07:48 AM CDT
To: John Ettinger
Cc: Karen McCormick; Paul Kaspar
Subject: Re: Fw: LA Projects List

I just noticed the following verbage from the list:

The projects on the list fall into the broad category of oil spill response and recovery...

I have a hard time seeing how that is the case, though I don't doubt that an argument could be made as to why that is the case. The connection between diversions and barrier island restoration, and oil spills, simply isn't obvious. If this language moves forward I would recommend including an explicit argument that supports this statement.

On another note, just to be clear, as Project Manager of PO-29, I can tell you that there is almost certainly no way that project could begin work within 6 months. Engineering and Design was recently re-initiated beyond 30%. Estimated time to get to 95% design is 1 year. In addition to that, we have nearly a year's worth of NEPA work to do.

In addition to Whiskey West Flank, the NPS canal backfilling project is ready to go. I do think it would be good to propose since it is clearly ready to go, and I suspect you may have trouble finding many candidate projects that meet the criteria at all.

[attachment "JELA_Public_Review_EA_Canal_Backfilling.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "baustianturnerpaper.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "Canal Reclamation Project Handout 1009.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaim 404Permit and TransmittalLtr 04282010.pdf" deleted by John Ettinger/R6/USEPA/US]

[attachment "CanalReclaimJPNDrawings.pdf" deleted by John Ettinger/R6/USEPA/US]

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US

To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA

Date: 06/14/2010 03:42 PM

Subject: Fw: LA Projects List

Ken and Paul, See below re: the project list. Ken, it looks like even my modest diversions will not make the cut. Feedback appreciated. Thanks.

----- Original Message -----

From: John Ettinger

Sent: 06/14/2010 04:40 PM EDT

To: Karen McCormick; Jane Watson; Timothy Landers; Clay Miller; EOC Water; Janet Woodka; Denise Keehner;
Tanya Code

Cc: William Honker

Subject: LA Projects List

Bill and just got off an interagency CEQ conference call on this subject. The goal is to narrow down by Wednesday afternoon the list of projects we helped develop this weekend. The criteria for this would be (1) implementability (can work begin inside of 6 months) and (2) geographical or ecological nexus to spill impacts. Based on that, I think much of our list will not make the cut. CEQ is not looking for us to add to the list unless something is glaringly missing. We will have an interagency conference call at 10 central tomorrow to begin cutting down the list. I will be on that call. I will send the full list to you when I get it from CEQ.

Bill, Did I miss anything?

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US

To: Karen McCormick/R6/USEPA/US@EPA, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, "Paul Kaspar" <Kaspar.Paul@epamail.epa.gov>

Date: 06/15/2010 08:21 AM

Subject: Fw: URGENT: Request for assistance on near term restoration priorities. Conference Call Tuesday June 15 at 10:00 AM CDT

Info and dial in number.

From: Darryl_Clark

Sent: 06/14/2010 06:25 PM EST

To: "Feller, Erika M." <Erika_M._Feller@ceq.eop.gov><Erika_M._Feller@ceq.eop.govErika_M._Feller>; <cecilia.linder@noaa.gov>;

<susan.i.rees@usace.army.mil>; <kevin.norton@la.usda.gov>; John Ettinger; <joseph.h.redican@usace.army.mil>; "Burch, Julia Cristina T." <JuliaCristina_T._Burch@ceq.eop.gov>

Cc: andrew.hagelin@conus.army.mil; "McConville, Drew" <Andrew_J._McConville@who.eop.gov>; "Monje, Carlos A." <Carlos_A._Monje@who.eop.gov>; "White, Dave - Washington, DC" <Dave.White@wdc.usda.gov>; "Jodrey, Donald S" <Donald_Jodrey@ios.doi.gov>; "Sobeck, Eileen" <Eileen_Sobeck@ios.doi.gov>; Jainey.Bavishi@noaa.gov; "Irwin, Janet E." <Janet_E._Irwin@omb.eop.gov>; "Miller, Jerry L." <Jerry_L._Miller@ostp.eop.gov>; "Lois Schiffer" <Lois.Schiffer@noaa.gov>; "Kasdan, Matthew J." <Matthew_J._Kasdan@ceq.eop.gov>; "Onek, Matthew M." <Matthew_M._Onek@who.eop.gov>; Michael.G.Ensch@usace.army.mil; "Boots, Michael J." <Michael_J._Boots@ceq.eop.gov>; rachel.jacobson@sol.doi.gov; "Curtis, Rita E." <Rita_E._Curtis@ostp.eop.gov>; Robert.Haddad@noaa.gov; "Nuzum, Robert S." <Robert_S._Nuzum@ceq.eop.gov>; "Salt, Terrence C SES CIV USA ASA CW" <rock.salt@us.army.mil>; "Sally Yozell" <sally.yozell@noaa.gov>; "Lew, Shoshana M." <Shoshana_M._Lew@omb.eop.gov>; "Levenbach, Stuart" <Stuart_Levenbach@omb.eop.gov>; susan.i.rees@usace.army.mil; Tom.Mariani@usdoj.gov; William.Brighton@usdoj.gov; Janet Woodka; Zoltan.L.Montvai@usace.army.mil; Cynthia_Dohner@fws.gov; Mark__Musaus@epamail.epa.gov; <Mark__Musaus@fws.gov/OU=,>; DaveHorning@epamail.epa.gov; <david_horning@fws.gov/O=,>; JimBoggs@epamail.epa.gov; <Jim_Boggs

Subject: RE: URGENT: Request for assistance on near term restoration priorities. Conference Call Tuesday June 15 at 10:00 AM CDT

Thanks Erika for the revised projects lists in the e-mail below.

As discussed at Monday's Near Term Priority Restoration conference call, we will have a conference call at 10:00 AM CDT Tuesday June 15th to evaluate the revised projects list according to the three criteria discussed on Monday's call.

Those criteria, also presented below, are;

- 1) implementability (Can the project begin construction within 6 months?), and
- 2) nexus (Is the project related to the BP oil spill?).

The effect of the oil spill on a project area (Has or is it likely the oil spill will affect the project? If so, maybe the project should not be included.) may also be something we may wish to consider.

The call in numbers are below. Please contact me if you have any questions.

Thanks,

Darryl

646 Cajundome Blvd., Suite 400
Lafayette, LA 70506
337-291-3111
291-3139 fax

The call in number is **877-485-1923** and passcode is **7365179**.

If you have difficulty press "*" 0." Or you can call 877-855-4797 and possibly get assistance. If you are in the same office as another, please try to double-up and use the same office phone. We have only open 20 lines.

DRAFT – PREDECISIONAL – DELIBERATIVE – NOT ADMINISTRATION POLICY – DO NOT DISTRIBUTE

"Feller, Erika M." <Erika_M._Feller@ceq.eop.gov>

"Feller, Erika M."

<Erika_M._Feller@ceq.eop.gov>

<Jean.Cowan@noaa.gov>, <cecilia.linder@noaa.gov>, <Darryl_Clark@fws.gov>, <susan.i.rees@usace.army.mil>, To <kevin.norton@la.usda.gov>, <Ettinger.John@epamail.epa.gov>, <joseph.h.redican@usace.army.mil>, "Burch, Julia Cristina T." <JuliaCristina_T._Burch@ceq.eop.gov>

06/14/2010 05:39 PM

"Boots, Michael J." <Michael_J._Boots@ceq.eop.gov>, "Sobeck, Eileen" <Eileen_Sobeck@ios.doi.gov>, "Salt, Terrence cc C SES CIV USA ASA CW" <rock.salt@us.army.mil>, <Woodka.Janet@epamail.epa.gov>, "White, Dave - Washington, DC" <Dave.White@wdc.usda.gov>, "Sally Yozell" <sally.yozell@noaa.gov>, "Lois Schiffer" <Lois.Schiffer@noaa.gov>, <rachel.jacobson@sol.doi.gov>, <Zoltan.L.Montvai@usace.army.mil>, <andrew.hagelin@conus.army.mil>, <William.Brighton@usdoj.gov>, <Tom.Mariani@usdoj.gov>, "Jodrey, Donald S" <Donald_Jodrey@ios.doi.gov>, <Robert.Haddad@noaa.gov>, "Lew, Shoshana M." <Shoshana_M._Lew@omb.eop.gov>, "Monje, Carlos A." <Carlos_A._Monje@who.eop.gov>, "Onek, Matthew M." <Matthew_M._Onek@who.eop.gov>, "Irwin, Janet E." <Janet_E._Irwin@omb.eop.gov>, "Levenbach, Stuart" <Stuart_Levenbach@omb.eop.gov>, "McConville, Drew" <Andrew_J._McConville@who.eop.gov>, "Miller, Jerry L." <Jerry_L._Miller@ostp.eop.gov>, "Curtis, Rita E." <Rita_E._Curtis@ostp.eop.gov>, "Nuzum, Robert S." <Robert_S._Nuzum@ceq.eop.gov>, "Kasdan, Matthew J." <Matthew_J._Kasdan@ceq.eop.gov>, <Michael.G.Ensch@usace.army.mil>, <Jainey.Bavishi@noaa.gov>

RE: URGENT: Request for assistance on near term restoration priorities
Subject

All,

Thank you all for a constructive call this afternoon – and for taking on this task.

Some follow up items:

1. Please delete previous list I sent you. Attached are documents with the “universe” of projects identified by the various agencies. Julia Burch here at CEQ (on the To: line, jburch@ceq.eop.gov or 202-395-2022) stands ready to help however you need her to. Note that NRCS, EPA, NOAA, and ACOE are in the Word attachment and the DOI projects are in the two pdf attachments.
2. I have attached a summary of the criteria to consider in this exercise below. The first column includes the over-arching considerations for something to be tagged as a near term “emergency” or “response” need. The second two columns are intended to further refine the list for different uses. It may/may not be possible to address these. Also, a number of questions regarding availability of funding and process came up on the call. These are certainly considerations but should not be used as criteria at this time.

Overarching Criteria: Things that should be true of all Emergency Projects	Things that should be true of Incident response-type projects	Things that should be true of NRDA Emergency Restoration Activities (Pre-containment)
<ul style="list-style-type: none">• Must be implementable immediately – 6 months? (not necessarily completion in that time, but some significant action or milestone achieved to expedite construction)• Geographic and ecological nexus to the event	<ul style="list-style-type: none">• Something that needs to be done to protect resources <u>during</u> the response.	<ul style="list-style-type: none">• Needed to minimize continuing or prevent additional injury• Feasible and likely to minimize continuing damage or prevent additional injury.• Costs are not unreasonable

Finally, on process, the role you all are playing here is as the technical team reviewing these projects for appropriateness based on your knowledge of what’s going on on-the-ground. We recognize that you all focus on particular areas of the Gulf Coast. You should feel free to pull in others within your agencies who have more geographically specialized knowledge of other areas in the Gulf. But

remember this is a quick turnaround. Finally, please keep this within the federal family.

Thank you for your time and input on this. Please do not hesitate to contact me if you have questions.

-erika

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Erika M Feller
Deputy Associate Director for Ecosystems
White House Council on Environmental Quality
730 Jackson Place NW
Washington, DC 20530
Main Line: 202-456-6224
Direct: 202-456-5139
email: efeller@ceq.eop.gov

From: Feller, Erika M.

Sent: Monday, June 14, 2010 3:28 PM

To: 'Jean.Cowan@noaa.gov'; 'cecelia.linder@noaa.gov'; 'Darryl_Clark@fws.gov'; 'susan.i.rees@usace.army.mil'; Kevin Norton (kevin.norton@la.usda.gov); Ettinger.John@epamail.epa.gov

Cc: Boots, Michael J.; 'Sobeck, Eileen'; 'Salt, Terrence C SES CIV USA ASA CW'; 'Woodka.Janet@epamail.epa.gov'; 'White, Dave - Washington, DC'; 'Sally Yozell'; 'Lois Schiffer'; 'rachel.jacobson@sol.doi.gov'; 'Zoltan.L.Montvai@usace.army.mil'; 'andrew.hagelin@conus.army.mil'; 'William.Brighton@usdoj.gov'; 'Tom.Mariani@usdoj.gov'; 'Jodrey, Donald S'; 'Robert.Haddad@noaa.gov'; Lew, Shoshana M.; Monje, Carlos A.; Onek, Matthew M.; Irwin, Janet E.; Levenbach, Stuart; McConville, Drew; Miller, Jerry L.; Curtis, Rita E.; Nuzum, Robert S.; Kasdan, Matthew J.; 'Michael.G.Ensch@usace.army.mil'; 'Jaimey.Bavishi@noaa.gov'

Subject: RE: URGENT: Request for assistance on near term restoration priorities

All, for our call at 3:30 p.m. Attached is the consolidated list of projects from all agencies. -erika

From: Feller, Erika M.

Sent: Monday, June 14, 2010 1:10 PM

To: 'Jean.Cowan@noaa.gov'; cecelia.linder@noaa.gov; Darryl_Clark@fws.gov; susan.i.rees@usace.army.mil; Kevin Norton (kevin.norton@la.usda.gov); Ettinger.John@epamail.epa.gov

Cc: Boots, Michael J.; 'Sobeck, Eileen'; 'Salt, Terrence C SES CIV USA ASA CW'; 'Woodka.Janet@epamail.epa.gov'; 'White, Dave - Washington, DC'; 'Sally Yozell'; 'Lois Schiffer'; 'rachel.jacobson@sol.doi.gov'; 'Zoltan.L.Montvai@usace.army.mil'; 'andrew.hagelin@conus.army.mil'; 'William.Brighton@usdoj.gov'; 'Tom.Mariani@usdoj.gov'; 'Jodrey, Donald S'; 'Robert.Haddad@noaa.gov'; Lew, Shoshana M.; Monje, Carlos A.; Onek, Matthew M.; Irwin, Janet E.; Levenbach, Stuart; McConville, Drew; Miller, Jerry L.; Curtis, Rita E.; Nuzum, Robert S.; Kasdan, Matthew J.; 'Michael.G.Ensch@usace.army.mil'; 'Jainey.Bavishi@noaa.gov'

Subject: URGENT: Request for assistance on near term restoration priorities

Importance: High

Hi all,

I am writing to solicit your assistance in a quick turnaround effort to identify a set of near-term Response or Emergency Restoration projects in the Gulf region. The group in the cc line met on Friday and all agreed to identify near-term projects that can serve to decrease injury from the spill, could be turned around quickly, and will generally increase likelihood of restoring or protecting natural resources. We are not particularly worried about the distinction between Response and Emergency Restoration at this point, but we do need to be able to quickly evaluate and prioritize the projects put forward by the agencies.

We need to have a list for the principals by the afternoon of this Wednesday, June 16.

I propose that we have a quick (30 min) call this afternoon to go over what we need as I'm certain this email doesn't answer all your questions. The call in number is **202-395-6392**, and the passcode is **682 9180**.

Because of the quick turnaround and because this has a very near-term purpose, we think that we must use an evaluation mechanism different than the Roadmap projects team developed. Because of your knowledge of the dynamics of the region, and the projects on the table, we are asking you to serve an advisory role in evaluating and prioritizing these projects. I would like to have a single point of contact in each agency in the region. You should, of course, reach out and engage

others within your agencies. But I ask that this effort remain within the federal family at this time.

We have asked for these project lists by today (I am awaiting the last list) and anticipate a lot of work this week to accomplish this task. I will have a compiled list to you all before the 3:30 call.

Thank you in advance for your efforts. Please respond to let me know you received this email and can be on the 3:30 call.

Thanks,
-erika

Erika M Feller
Deputy Associate Director for Ecosystems
White House Council on Environmental Quality
730 Jackson Place NW
Washington, DC 20530
Main Line: 202-456-6224
Direct: 202-456-5139

email: efeller@ceq.eop.gov

[attachment "Gulf Coast - Consolidated NRCS EPA ACOE NOAA Near-term Project Lists 2010-06-14.docx" deleted by Darryl Clark/R4/FWS/DOI] [attachment "DOI - FWS Long Term Restoration Projects in Gulf Coast (2).pdf" deleted by Darryl Clark/R4/FWS/DOI] [attachment "DOI Engagement in Gulf Coast Oil Spill Response - immediate projects.pdf" deleted by Darryl Clark/R4/FWS/DOI]

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/15/2010 09:38 AM
Subject: Sand berm project morphing into something, but what?

Folks-

Here's my latest effort to follow the curious twists and turns and implications of Governor Jindal's Dredge Baby Dredge (the delta) project.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

F David Reazin/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/15/2010 02:20 PM

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S Region 6 WQ Situation Update #32 (6-15-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov
Date: 06/15/2010 03:33 PM
Subject: Fw: WWLTV.com: Oil spill raises concerns over some communities' water supply

----- Original Message -----

From: William Honker

Sent: 06/15/2010 03:09 PM CDT

To: John Ettinger; Brad Crawford

Cc: Jane Watson; Karen McCormick; "Ison, Dawn" <Ison.Dawn@epa.gov>

Subject: Fw: WWLTV.com: Oil spill raises concerns over some communities' water supply

I believe there's a small siphon or diversion which sends a little MS River water into Bayou Lafourche at Donaldsonville. Is this a structure that could accommodate a higher flow which might help keep the oil out of the downstream end?

William K. (Bill) Honker, P.E.
Deputy Director, Water Quality Protection Division
EPA Region 6 - Dallas, TX
Phone 214-665-3187
Fax 214-665-7373
Cell 214-551-3619

----- Forwarded by William Honker/R6/USEPA/US on 06/15/2010 03:02 PM -----

WWLTV.com: Oil spill raises concerns over some communities ' water supply

Rob to: William Honker

06/14/2010 06:38 PM

FYI

Rob Lawrence

A story from WWLTV.com:

[Oil spill raises concerns over some communities' water supply](#)

Download the free WWLTV.com app for your iPhone from the [App Store](#) today!

Sent from my iPhone

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Jane Watson/R6/USEPA/US@EPA
Date: 06/15/2010 03:50 PM
Subject: Re: Fw: WWLTV.com: Oil spill raises concerns over some communities' water supply

Brad Crawford would be the best person here to answer this question, but the answer is clearly yes. To what extent that existing diversion has sufficient capacity to keep oil out of the bayou though, I don't know. I do think it is pretty small, though I don't know the size. That said, they have had problems with saltwater intrusion, as you know. These are the conditions when I would expect the risk of oil would be highest. I think that tends to be during low flow on the Mississippi River.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Jane Watson/R6/USEPA/US
To: teague.kenneth@epa.gov
Date: 06/15/2010 03:33 PM
Subject: Fw: WWLTV.com: Oil spill raises concerns over some communities' water supply

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Sent: 06/15/2010 03:09 PM CDT

To: John Ettinger; Brad Crawford

Cc: Jane Watson; Karen McCormick; "Ison, Dawn" <Ison.Dawn@epa.gov>

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Rob to: William Honker

06/14/2010 06:38 PM

FYI

Rob Lawrence

A story from WWLTV.com:

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Download the free [WWLTV.com](#) app for your iPhone from the [App Store](#) today!

Sent from my iPhone

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>

To: undisclosed-recipients::

Date: 06/15/2010 10:10 PM

Date: 06/15/2010 10:10 PM
Subject: Fwd: New post on sand berm project

Folks-

I just sent this message to one of Rachel Maddow's producers. Hope I'm wrong in assuming that the sunken barges project is a done deal.

Len

----- Forwarded message -----

From: **Leonard Bahr** <leonardbahr@gmail.com>
Date: Tue, Jun 15, 2010 at 10:07 PM
Subject: New post on sand berm project
To: Rebekah Dryden <Rebekah.Dryden@nbcuni.com>

Rebekah-

Thought you may be interested in this, my fifth post on the governor's controversial sand berm project.

I love Rachel's enthusiasm and I support her criticism of ineffectual blowout mitigation but I would respectfully caution her to talk to scientists before endorsing homespun local 'solutions' to the BP blowout.

Tonight she referred very positively to what scientists think is a dreadful proposal by Jefferson Parish to sink barges full of rocks across the passes in front of the Barataria Basin. This project sounds innovative and is intuitively appealing but it may accelerate barrier island erosion. Emergency measures like this one may do much more damage than oil.

As long as there's a sun and a moon and the Earth keeps spinning, tides and tidal exchange will happen, and artificial barriers to tidal flux will increase water velocity and erosive power. You can't fool Mother Nature!

A continuous chain of floating barges draped with absorbent mats extending several feet into the water column may actually intercept much floating oil - if the barges could be held in place and if navigation openings were provided. During an approaching tropical event such barges would have to be removed, however. Floating barges will be removed, sunken ones will not.

Stay in touch and keep sending Rachel down. I'd love to meet her on one of her trips.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/16/2010 07:50 AM
Subject: Sunken Barges proposal?

Did you see Len Bahr's comments about an apparent proposal by Jefferson Parish to block Barataria Pass with sunken barges? While I didn't see any details, I agree with Len, this sounds scientifically outrageous.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/16/2010 08:00 AM
Subject: Re: Sunken Barges proposal?

We commented on two proposals to partially block those tidal passes: temporary barges and permanent rocks. After working this all the way up to the Administrator's office, EPA opposed the rocks. We did not object to the barges because they are a less damaging alternative than rocks - probably by a wide margin. Yes, barges certainly could have adverse impacts, but again, nothing like the rocks. If the barges - which will not be sunken to the bottom of the passes - cause immediate and obvious environmental problems, they can be quickly removed. Note: EPA does not necessarily think the barges will work. This is experimental.

----- Original Message -----

From: Kenneth Teague
Sent: 06/16/2010 07:50 AM CDT
To: John Ettinger
Cc: Karen McCormick
Subject: Sunken Barges proposal?

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Dallas, TX 75202
phone: 214-665-6687
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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/16/2010 08:08 AM
Subject: Re: Sunken Barges proposal?

One more point: Not opposing the barges further strengthens our ability to oppose the rocks. The Corps can't authorize rocks if there is a less damaging alternative. Again, the rock project is the long-term threat we must guard against.

----- Original Message -----

From: Kenneth Teague
Sent: 06/16/2010 07:50 AM CDT
To: John Ettinger
Cc: Karen McCormick
Subject: Sunken Barges proposal?

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/16/2010 08:19 AM
Subject: Re: Sunken Barges proposal?

Of course the barges won't work either. Was there a significant science component in this determination? It doesn't appear so.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA
Date: 06/16/2010 08:00 AM
Subject: Re: Sunken Barges proposal?

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 08:29 AM
Subject: Re: Sunken Barges proposal?

How do you know the barges certainly won't work? If you have analysis to support that, please send it my way. Without such, it is speculative to say they absolutely will or will not work.

As for science, yes, I think there is a very strong basis for barges over rocks.

----- Original Message -----

From: Kenneth Teague

Sent: 06/16/2010 08:19 AM CDT

To: John Ettinger

Cc: Karen McCormick

Subject: Re: Sunken Barges proposal?

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From:	John Ettinger/R6/USEPA/US
To:	Kenneth Teague/R6/USEPA/US@EPA
Cc:	Karen McCormick/R6/USEPA/US@EPA
Date:	06/16/2010 08:00 AM
Subject:	Re: Sunken Barges proposal?

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Sent: 06/16/2010 07:50 AM CDT

To: John Ettinger

Cc: Karen McCormick

Subject: Sunken Barges proposal?

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Kenneth Teague, PWS, Certified Senior Ecologist
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1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From:	John Ettinger/R6/USEPA/US
To:	Kenneth Teague/R6/USEPA/US@EPA
Date:	06/16/2010 08:37 AM
Subject:	Re: Sunken Barges proposal?

One more thing: EPA is responding to dozens of these types of requests. The review period is often hours, the information extremely limited, and we must get concurrence all the way through the Administrator's office. This is as fast and stressful as it gets in regulatory. We did not ask for these proposals, but we must deal with them. Thus far, we have pushed back on the rock job, downsized the berm proposal by over 80 miles, and eliminated borrow sites that would have seriously undermined the sustainability of islands. I am sure we have made mistakes, but thus far we have been correct on the really big stuff.

----- Original Message -----

From: John Ettinger

Sent: 06/16/2010 09:27 AM EDT

To: Kenneth Teague

Subject: Re: Sunken Barges proposal?

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To: John Ettinger

Cc: Karen McCormick

Subject: Re: Sunken Barges proposal?

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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
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Date: 06/16/2010 08:00 AM
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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA
Date: 06/16/2010 08:49 AM
Subject: FYI -- Info re: barges and rocks

Attached

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, Barbara Keeler/R6/USEPA/US@EPA
Date: 06/16/2010 08:51 AM
Subject: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

FYI EPA comments on rocks.

----- Original Message -----

From: John Ettinger

Sent: 06/09/2010 09:06 PM EDT

To: "Laborde,Brad MVN" <Brad.Laborde@usace.army.mil>

Cc: "Seth_Bordelon" <Seth_Bordelon@fws.gov>; "richard hartman" <richard.hartman@noaa.gov>; "Patrick Williams" <Patrick.Williams@noaa.gov>; "Walther,David" <david_walther@fws.gov>; "Pete J MVN Serio" <Pete.J.Serio@usace.army.mil>; "Mayer,Martin S MVN" <Martin.S.Mayer@usace.army.mil>; William Honker; Barbara Keeler; Timothy Landers; Clay Miller; Jane Watson; Janet Woodka; EOC Water

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Thanks in advance for your consideration of these comments. Please let me know if you have any questions or would like to discuss this matter further

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To: John Ettinger/R6/USEPA/US@EPA
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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 08:29 AM
Subject: Re: Sunken Barges proposal?

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To: John Ettinger
Cc: Karen McCormick
Subject: Re: Sunken Barges proposal?

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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 09:33 AM
Subject: Re: Sunken Barges proposal?

See the info I sent you re: what we know about the barge proposal. No, this was not purely political. If you think there is little difference between permanent rocks and temporary, partially submerged barges, please explain. Any and all info in that regard would be appreciated.

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Subject: Re: Sunken Barges proposal?

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From:	John Ettinger/R6/USEPA/US
To:	Kenneth Teague/R6/USEPA/US@EPA
Date:	06/16/2010 09:36 AM
Subject:	Re: Sunken Barges proposal?

As far as bringing in outside expertise is concerned - nobody has pushed for that harder than I have.

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From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Date: 06/16/2010 09:39 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, Barbara Keeler/R6/USEPA/US@EPA
Date: 06/16/2010 08:51 AM
Subject: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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Subject: Re: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish
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To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 09:42 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

The barges are assets that have commercial value. Nobody will pay for keeping them there once spill response period has passed. Also, all emergency authorizations require formal, standard review within 30 days. We will insist on removal after spill.

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Sent: 06/16/2010 09:39 AM CDT

To: John Ettinger

Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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John Ettinger
U.S. EPA Region 6

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Date: 06/16/2010 09:43 AM

Subject:

Re: Sunken Barges proposal?

Of course, the key you have provided here, is the difference between temporary and permanent. It was not obvious before that the barges would not be permanent. Certainly if it is clear that the barges are temporary, then that is clearly preferable to permanent rocks. I still don't think it is clear that the barges, even though they are temporary, are a good idea, and won't cause significant negative impacts. I strongly support your call for expert review.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 09:33 AM
Subject: Re: Sunken Barges proposal?

See the info I sent you re: what we know about the barge proposal. No, this was not purely political. If you think there is little difference between permanent rocks and temporary, partially submerged barges, please explain. Any and all info in that regard would be appreciated.

----- Original Message -----

From: Kenneth Teague

Sent: 06/16/2010 09:27 AM CDT

To: John Ettinger

Subject: Re: Sunken Barges proposal?

So I'm assuming we're talking about sinking barges in the pass, and that somebody is suggesting that will stop oil transport into Barataria Bay. First, will the barges extend above the surface of the water? If not, the oil will simply flow over the tops of the barges. If the barges do extend above the surface of the water, are we talking about completely blocking the pass? If so, the Gulf/estuarine hydrodynamics will ensure that water will move into the estuary, and back out again, through some location, with possible consequences depending on that location. If not, then a similar volume of water will flow through the remaining opening, as what flowed through the pass before. This means the velocity will increase, again with possible negative consequences. And the oil will still flow into Barataria Bay.

Granted, there is probably an advantage of barges over rocks (assuming they are clean barges), in that they should be easier to retrieve (i assume?). Other than that, I see no advantage. I do believe both are a waste of money, and likely to have at least minor negative impacts, possibly worse. I'm no estuarine physical oceanographer, but I am a marine scientist, with some training and experience in estuarine hydrodynamics. I do recommend consulting an expert estuarine/coastal physical oceanographer on these questions.

If this is a purely political decision, lets just call it what it is. I strongly suspect that EPA has not undertaken any significant scientific assessment in the decision to support this.

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Environmental Scientist
Marine and Coastal Section
EPA Region 6
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Dallas, TX 75202
phone: 214-665-6687
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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 08:29 AM
Subject: Re: Sunken Barges proposal?

How do you know the barges certainly won't work? If you have analysis to support that, please send it my way. Without such, it is speculative to say they absolutely will or will not work.

As for science, yes, I think there is a very strong basis for barges over rocks.

----- Original Message -----

From: Kenneth Teague

Sent: 06/16/2010 08:19 AM CDT

To: John Ettinger

Cc: Karen McCormick

Subject: Re: Sunken Barges proposal?

Of course the barges won't work either. Was there a significant science component in this determination? It doesn't appear so.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
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From:	John Ettinger/R6/USEPA/US
To:	Kenneth Teague/R6/USEPA/US@EPA
Cc:	Karen McCormick/R6/USEPA/US@EPA
Date:	06/16/2010 08:00 AM
Subject:	Re: Sunken Barges proposal?

We commented on two proposals to partially block those tidal passes: temporary barges and permanent rocks. After working this all the way up to the Administrator's office, EPA opposed the rocks. We did not object to the barges because they are a less damaging alternative than rocks - probably by a wide margin. Yes, barges certainly could have adverse impacts, but again, nothing like the rocks. If the barges - which will not be sunken to the bottom of the passes - cause immediate and obvious environmental problems, they can be quickly removed. Note: EPA does not necessarily think the barges will work. This is experimental.

----- Original Message -----

From: Kenneth Teague

Sent: 06/16/2010 07:50 AM CDT

To: John Ettinger

Cc: Karen McCormick

Subject: Sunken Barges proposal?

Did you see Len Bahr's comments about an apparent proposal by Jefferson Parish to block Barataria Pass with sunken barges? While I didn't see any details, I agree with Len, this sounds scientifically outrageous.

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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 09:44 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

Also, see the drawings. These barges are not sunken to bottom.

----- Original Message -----

From: John Ettinger

Sent: 06/16/2010 10:42 AM EDT

To: Kenneth Teague

Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>, Barbara Keeler/R6/USEPA/US@EPA
Date: 06/16/2010 08:51 AM
Subject: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

FYI EPA comments on rocks.

----- Original Message -----

From: John Ettinger

Sent: 06/09/2010 09:06 PM EDT

To: "Laborde,Brad MVN" <Brad.Laborde@usace.army.mil>

Cc: "Seth_Bordelon" <Seth_Bordelon@fws.gov>; "richard hartman" <richard.hartman@noaa.gov>; "Patrick Williams" <Patrick.Williams@noaa.gov>; "Walther,David" <david_walther@fws.gov>; "Pete J MVN Serio" <Pete.J.Serio@usace.army.mil>; "Mayer,Martin S MVN" <Martin.S.Mayer@usace.army.mil>; William Honker; Barbara Keeler; Timothy Landers; Clay Miller; Jane Watson; Janet Woodka; EOC Water

Subject: Re: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 10:02 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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Date: 06/16/2010 08:51 AM
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To: John Ettinger/R6/USEPA/US@EPA

Date: 06/16/2010 10:36 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

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Date: 06/16/2010 08:51 AM
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To: John Ettinger/R6/USEPA/US@EPA
Date: 06/16/2010 10:47 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

I wonder if there might be value in lining the gulfward-sides of the barges with a sorbent material?

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From: John Ettinger/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/16/2010 10:42 AM
Subject: Re: Fw: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

Excellent analysis and feedback. Thank you.

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Sent: 06/09/2010 09:06 PM EDT

To: "Laborde,Brad MVN" <Brad.Laborde@usace.army.mil>

Cc: "Seth_Bordelon" <Seth_Bordelon@fws.gov>; "richard hartman" <richard.hartman@noaa.gov>; "Patrick Williams" <Patrick.Williams@noaa.gov>; "Walther,David" <david_walther@fws.gov>; "Pete J MVN Serio" <Pete.J.Serio@usace.army.mil>; "Mayer,Martin S MVN" <Martin.S.Mayer@usace.army.mil>; William Honker; Barbara Keeler; Timothy Landers; Clay Miller; Jane Watson; Janet Woodka; EOC Water

Subject: Re: NOD-20 request; 5 Rock Dike Closures in Plaquemines Parish/Jefferson Parish

Brad,

This is a re-send of EPA's comments with minor format edits. (I have removed quotation marks and italics in the second paragraph.) Please use this version as our formal response. Thanks.

The central question is whether the potential adverse environmental impacts of this proposed project could outweigh potential benefits. Blocking oil from entering estuaries and coastal wetlands is of utmost importance to all involved in the spill response. It must not, however, be done at the expense of the sustainability and productivity of the coastal environment.

We recommend the proposed emergency authorization be denied based on the potential for significant near- and long-term impacts on sediment processes, erosion rates, and fisheries. While the applicant has provided no assessment of such impacts, experience with rock projects elsewhere in coastal Louisiana suggests that there could be serious adverse unintended impacts to the aquatic environment, contrary to the goal of the project. We are available to work with the applicant to help quickly develop less environmentally damaging alternatives to the proposed project.

The proposed rock dikes, while well intended, could have long-term impacts contrary to the goal of protecting Louisiana's valuable coastal resources. Such potential impacts include increased erosion rates due to changes in sediment transport processes, reduced ingress and egress of fish and other aquatic organisms, and other potential negative impacts - including effects on navigation access and safety. The creation of such rock dikes could increase velocities and/or block sediment transport in the project area, thereby eroding the barrier islands further. Moreover, the extent to which this approach will effectively aid in blocking and removing oil from the aquatic ecosystem is uncertain.

To avoid the potential for long-term unintended adverse impacts of this and other proposals, we would recommend the Corps quickly review the feasibility of less environmentally damaging options. We realize given the nature of this crisis that the Parish government might not have the resources to provide adequate analysis and information to support such a review and recommend, therefore, that the Corps convene a meeting of agency and external experts to review this proposal and make recommendations to minimize potential downsides and maximize potential upsides. Such a meeting should include government and academic scientists with expertise in coastal geology, fisheries, and barrier island restoration, and should examine ideas based upon the efficacy in terms of potential at stopping shoreward movement of oil, the feasibility of alternative approaches, and potential environmental impacts.

Thanks in advance for your consideration of these comments. Please let me know if you have any questions or would like to discuss this matter further

John Ettinger
U.S. EPA Region 6

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: John Ettinger/R6/USEPA/US@EPA
Date: 06/16/2010 02:54 PM
Subject: sand berm- testing?

I see the dredges are working. I thought we had decided that sediment testing would be required? So has anybody seen any sediment contaminant test results for the area being dredged?

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: John Ettinger/R6/USEPA/US
To: "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>
Date: 06/16/2010 03:19 PM

Subject:

Fw: Weekly LA Berm Meeting -- Notes

Here are notes with a discussion of sampling/testing. These are internal notes. Please do not distribute.

From: John Ettinger

Sent: 06/16/2010 11:59 AM CDT

To: William Honker; Denise Keehner; Barbara Keeler; Timothy Landers; Karen McCormick; Clay Miller; Sharon Parrish; Jane Watson; Janet Woodka; David Evans; EOC Water

Subject: Weekly LA Berm Meeting -- Notes

DRAFT – Internal, Deliberative

LA Sand Berm

Weekly Interagency Meeting #1

Wednesday, June 16, 2010

Corps of Engineers New Orleans District

Following are my notes from the first of a series of weekly interagency meetings on the ongoing LA sand berm project. Meetings will be held at the New Orleans District, every Wednesday, 9:00 am.

- Attendees (present and on phone) included Corps, State (OCPR, DNR), NMFS, FWS, Shaw Group, other consultants and contractors, and private navigation interests.
- Currently two dredges are working – one west of the river and the other east.
- A contract for a third dredge is pending, possibly to be signed today.

- Current **best case** estimate for completion of six permitted segments is 145 days, assuming proper sediment grain size and no weather disruptions. Assumes 18-20 million yrd³ for all six segments; and 1:25 slope, which Corps has questioned.

East/Chandeleur Islands

- The dredge “California” is working in Hewes Point. To date 50-60 thousand yrd³ of sand have been dredged from “zone 6A”.
- Discharging in “E4” area, building base of berm with possibly some portion above water. (Permit attached for reference.)
- Additional pipe will be in place in around 10 days.
- This estimate for additional pipe (which would allow dredging further from shore) differs from what was said to DOI/FWS this weekend; it implies greater amounts of dredging at the near-shore site than Corps and DOI agreed to this weekend. FWS representative on the call raised concerns with this.

West/Barataria

- The dredge “Stuyvesant” is dredging around mile 2 of the river; will transport material to re-handling/stockpile area “35-E”; from which material will be piped to berm location.

Sediment Testing

- Only “visual” analysis of dredged material has been done. Samples taken but no lab analysis completed.

External Scientific Input and Public Information

- I asked what efforts are being made to bring in external scientific expertise and inform the public as this process continues. OCPR representative said the state is standing up an external science and engineering review team. More information (including membership) on this team will be provided at the next weekly meeting.

- No structure or process has been set up to provide information to the public as the berm project progresses. Shaw Group brought in a person to help set something up in that regard, but details are limited.

Navigation Concerns

- Navigation interests from Mobile to Lake Charles raised concerns that they have not been adequately involved in this process. Taking dredges off current channel maintenance projects and transferring them to the berm work could adversely impact navigation.
- The Corps asked the state to inform Governor Jindal that his desire to use more material currently being dredged in Mississippi

River for berm project could "shut down" deep draft navigation due to the added time it would take the active dredges to transport material to berm re-handling sites. State said it had **no** intention of shutting down the river.

- Evidently, navigation interests sent a letter to the state and/or Corps regarding their concerns. I will try to get a copy of that letter and forward it. NIC should be informed that navigation interests are concerned.

EPA future involvement in weekly meeting

- I plan to attend these weekly meetings and report back. Given the nature and magnitude of this issue, additional EPA participation by phone or in person might be good. I think it would be illuminating with respect to how fast, dynamic, and information-limited this effort is thus far.

John Ettinger
U.S. EPA Region 6
(504) 862-1119
ettinger.john@epa.gov

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Doug Jacobson/R6/USEPA/US
To: R6 6WQ-EC, Jane Watson/R6/USEPA/US@EPA
Date: 06/16/2010 09:08 PM
Subject: sand dredging pics off louisiana

<http://www.flickr.com/photos/lagohsep/sets/72157624290812172/>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: "Dryden, Rebekah (NBC Universal)" <Rebekah.Dryden@nbcuni.com>
Date: 06/16/2010 09:23 PM
Subject: Tonight's show!

Rebekah-

I was *thrilled* to see Rachel focus on Bobby Jindal's Sandy Band-aid project on her show this evening, including her interview with Prof. Rob Young. I don't know whether my messages helped convince you all to look into this smelly sand berm project but I'm gratified that you did and I plan to post a link to the Rachel Maddow webcast on LaCoastPost tomorrow (my 70th birthday).

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

F David Reazin/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
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Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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S Region 6 WQ Situation Update # 34 (6-17-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: David Reazin/R6/USEPA/US

Organization:

To: Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Date: 06/17/2010 02:06 PM

Subject:

Region 6 WQ Situation Update #34 (6-17-2010)

Subject:

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: R6 Advisory

Organization:

To:

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Date: 06/18/2010 09:15 AM

te:

Su *** FLASH MESSAGE ***; Document Preservation/Litigation Hold Supplemental Instructions: Preservation of Privileged, Confidential, and other Restricted Access Documents re: Gulf
bje Oil Spill - Deepwater Horizon Facility Operated by BP Exploration & Production, Inc.

ct:

This follow-up memorandum provides further instructions that supplement previous Document Preservation/Litigation Hold Instructions concerning preservation of any potentially relevant information, including electronically stored information (ESI), hard copies of documents, and tangible items pertaining to the above-referenced matter. Links to previous R6 Advisory and All Employee Memo e-mails related to this matter can be found at the bottom of this message.

Read More ==> [Link](#) Contact: Darrin Swartz-Larson, 6RC,

214.665.7115-----

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr
o Barbara Keeler/R6/USEPA/US

m:

To Brad Crawford/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John
Ettinger/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Karen
McCormick/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Jeanene
Peckham/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA,
Barbara Aldridge/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, William
Honker/R6/USEPA/US@EPA, Clay Miller/DC/USEPA/US@EPA, Timothy Landers/DC/USEPA/US@EPA, Paul Cough/DC/USEPA/US@EPA, Darrell Brown/DC/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA

Cc
: R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA

Da 06/18/2010 09:27 AM
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Su Wes Tunnell Returns to Bay of Campeche
bje

ct:

While at TAMU--CC this week, it was announced that Dr. Wes Tunnell (Harte Research Institute for Gulf of Mexico Studies) has been funded by *National Geographic* to return to his Ixtoc study area in the Bay of Campeche to do a follow up assessment of the ecological impacts of the 1979 Pemex oil well blow out. He left earlier in the week and I'll try to get updates from Jace Tunnell, who works for the NEP known as the Coastal Bend Bays and Estuaries Program, partly funded by EPA.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

From Inter Press Service (June 18, 2010):

Ixtoc Disaster Holds Clues to Evolution of an Oil Spill

By Matthew O. Berger and Emilio Godoy*

The Ixtoc I oil well blowout lasted from June 1979 to March 1980.

Credit:NOAA

WASHINGTON/MEXICO CITY, Jun 16, 2010 (IPS) - On a spring day in the Gulf of Mexico, a pipe issuing from the sea floor ruptured, sending an explosion rippling up to the drilling platform above and spewing oil into the surrounding waters. Experts scrambled to seal off the ever-increasing mass of oil by capping the pipe, clogging it or covering it. Nothing worked.

Work began on the drilling of a relief well. Oil continued to gush into the ecologically fragile and economically critical waters.

That was 31 years ago.

The 1979 explosion at Pemex's Ixtoc I offshore oil rig was the worst accidental oil spill in history, releasing an estimated 140 million gallons of crude oil before the relief well could plug the leak 290 days after it began.

The amount of oil issuing from the well under the BP-owned Deepwater Horizon rig - relatively young at only 56 days old - is expected to surpass Ixtoc's record. Some estimates say it already has.

What effect that oil will ultimately have on the surrounding environment and communities is far from clear, but the Ixtoc spill is certainly the most logical place to look for answers. Unfortunately, strikingly few studies were done in the wake of that catastrophe.

One, titled "Impacto ecológico de la industria petrolera en la Sonda de Campeche, México, tras tres décadas de actividad" (Ecological Impact of the Oil Industry in the Bay of Campeche, Mexico, After Three Decades) found that the most persistent issues were pollution of estuaries and coastal lagoons lining the bay, and especially the effects on breeding and growth of several food fish species.

Wes Tunnell, a biologist at the Harte Research Institute for Gulf of Mexico Studies based at Texas A&M University in Corpus Christi, has been studying the impacts of the Ixtoc spill since even before it took place.

He has studied the southern Gulf of Mexico and the Bay of Campeche - where the Ixtoc I rig was located - for about 45 years, including regular visits to certain spill-impacted localities in the 30 years since 1979.

But even he admits, "It's pretty baffling for most of us who studied that spill to know what happened to that oil and where it all went."

He does know a few things about its impact, though.

The blowout that led to the spill occurred on Jun. 3. Currents eventually washed the crude oil ashore in the Mexican states of Campeche, Tabasco, Veracruz and Tamaulipas. By the time it reached the south Texas coast in the first week of August, Tunnell was ready.

"Over the next six weeks it pretty much coated the south Texas beaches for about 30 miles - a 20- to 30-foot wide band of oil and tar about a half-an-inch thick to one-foot thick in some places," he told IPS in a phone interview.

With other researchers, he had taken samples before the oil got there, in July. They returned for more studies in September, after the oil had arrived and "been stirred up by some storms".

What they discovered was that two groups of organisms that "can be found by the thousands per metre squared in the sand beneath your feet when you're walking along in the surf zone" - marine worms and amphipods - were reduced by 80 percent in the inter-tidal zone and 50 percent in the sub-tidal zone, though he emphasises that those numbers represent the averages of lots of different samples.

"So we didn't see a drop in the number of species but a drop in the number of individuals. We thought 'Oh, boy, this is really severe'," Tunnell said.

Two and half years after the spill, he got a graduate student to go do a thesis project on the same Texas beaches. It was discovered that by then the worm and amphipod numbers had rebounded.

"So you can probably say that within two to three years the beach fauna or beach populations were back to where they were before the spill. I think that's probably a pretty standard thing. Fine-grain, sandy beaches can be cleaned up pretty easily," Tunnell explained.

He also recalls a colleague who had studied the shrimp fishery based in Campeche, Mexico - the largest in the southern gulf - assuming that the fishery "would be devastated for years to come" by the oil from Ixtoc.

But, he says, "The second year after the spill the shrimp populations were back to where they were before the spill, which is, again, pretty amazing to us."

Tom Shirley, also of the Harte Institute, has some insights into why these organisms were able to bounce back so quickly.

The equivalent of an oil tanker seeps into the water from oil deposits under the sea floor each year, and organisms have adapted to cope with the constant presence of oil in the water. That coping means that the animals in the gulf have a striking capacity to break down oil molecules, Shirley said.

"So the gulf, due to these seeps, is more ready to deal with oil than most anywhere else," he said. "[It's] an amazingly resilient habitat."

But, he explained, the naturally-occurring seeps happen in a much more gradual way that is likely much easier for organisms to manage and cope with than the tens of thousands of barrels in the water right now.

"As long as oil spills remain out on the open sea, the effects are relatively limited," Daniel Lluch-Cota, a biologist at the state Northwest Biological Research Centre and one of the four authors of the 2004 study, told IPS. "The real trouble begins when they reach the shore."

The effects on coastal flora and fauna "are serious, and include from reduced phytoplankton productivity to direct damage to seabirds and other species," he said.

Remnants of the Ixtoc spill could still be seen and touched as recently as seven years ago, and Tunnell is setting out this week to determine whether they are still there today.

In the fall of 1979, while he was studying the impact of the oil washing up in Texas, he sent a couple graduate students to the reefs in the southern gulf, near Veracruz. They found that the oil had come in on a tropical storm and was floating over the top of the reefs where it did not directly impact them. It had, however ringed a lot of the reef islands with 12 to 15 inch-thick mats of oil.

He continued to track and map these mats, returning each June with his class. "They slowly continued to break down, particularly in the next five to six years after the spill. After that time it was pretty hard to find any remnants of the spill," he said.

Still, environmental campaigners note that no authoritative assessment has ever been made.

"We don't know if the damage done [at Ixtoc] has been remedied. Petróleos Mexicanos (PEMEX, the state oil company) has limited capacity for cleaning up pollution," Gustavo Ampugnani, Greenpeace International political coordinator for Latin America, told IPS.

*Emilio Godoy reported from Mexico.

A Diving Trip Reveals "Tar Blobs"

Decades after the Ixtoc spill, in 2002, biologist Wes Tunnell was on a cruise in the Veracruz reefs with National Geographic.

After only 15 minutes of snorkeling there, he encountered what most snorkelers would think is just a rock or ledge, covered in sand, algae and shells - "I stuck my knife into it. When I pulled it out it was tar."

He describes this "tar blob" as inert, "just laying there," with black sediments around the base that indicated there were extremely low levels of oxygen there.

"It means there may be a little bit of impact going on right adjacent to the base of it, but on the top of it, I think it was pretty inert or sealed off there because other living things were crawling around on it and growing on it," Tunnell said. "[These blobs] just continue to weather over time and get smaller and smaller."

Tunnell recently asked a friend that was on the same 2002 cruise to search for the blobs again, but "he couldn't find anything".

This week Tunnell is flying back to Veracruz himself to see what remnants - if any - are still present. "We're going to do a really good search to see if there's any left or if they're all gone, just to fill in the story," he said.

"It's a question I've had from so many people - both the public and scientists: 'Well, what happened to all of [the oil]?' For the most part, I think it's gone and we won't find much, but we're going to go back just to check and make sure."

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Donald French/R6/USEPA/US
To:
Date: 06/18/2010 09:53 AM
Subject: Fw: Your Webinar Invitation: Join us for "Gulf Oil Spill with Mark Stead"

Gulf Oil Spill with Mark Stead

Join us for a Webinar on June 24

Space is limited in the Texas Room where Mark Stead will be presenting so if you would like to view from your computer please register and you will have access to the presentation.

Reserve your Webinar seat now at:

<https://www1.gotomeeting.com/register/741826720>

Mark Stead will be discussing his trip to the Gulf Coast to work on the oil spill and show all his pictures to help everyone understand the enormity of this disaster . **See the Flyer below for more information!!**

Title: *Gulf Oil Spill with Mark Stead*

Date: Thursday, June 24, 2010

Time: 1:00 PM - 2:30 PM CDT

After registering you will receive a confirmation email containing information about joining the Webinar.

System Requirements

PC-based attendees

Required: Windows® 7, Vista, XP, 2003 Server or 2000

Macintosh®-based attendees

Required: Mac OS® X 10.4.11 (Tiger®) or newer

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Barbara Keeler/R6/USEPA/US

To: Jane Watson/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA

Date: 06/18/2010 11:50 AM

Subject: Gulf oil full of methane; could create 'dead zones,' choke marine life
ct:

----- Forwarded by Barbara Keeler/R6/USEPA/US on 06/18/2010 11:49 AM -----

WWLTV.com: Gulf oil full of methane; could create 'dead zones,' choke marine life

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James Yarbrough, kordzi.joseph@epa.gov, Jamesr Brown, Barbara Keeler

06/18/2010 11:09 AM

Not to mention the contribution to climate change

A story from WWLTV.com:

Gulf oil full of methane; could create 'dead zones,' choke marine life

Download the free WWLTV.com app for your iPhone from the [App Store](http://AppStore) today!

Sent from my iPhone

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: Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
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o Kaspar/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Donna
Mullins/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Sharon
Parrish/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA,
Jim Herrington/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Darrell Brown/DC/USEPA/US@EPA, Paul Cough/DC/USEPA/US@EPA, kerry@btnep.org, richard@btnep.org,
hdrummon@tceq.state.tx.us, jdallaro@tceq.state.tx.us, Jennifer Derby/R4/USEPA/US@EPA, Doug Johnson/R4/USEPA/US@EPA, Christopher McArthur/R4/USEPA/US@EPA, Tina
Hendon/GB/USEPA/US@EPA

C

C: R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, R6 DWH Info@EPA

D 06/19/2010 05:19 PM

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S Fw: Wes Tunnell Returns to Bay of Campeche

u
bj
e
ct

:

----- Forwarded by Barbara Keeler/R6/USEPA/US on 06/19/2010 05:09 PM -----

RE: Wes Tunnell Returns to Bay of Campeche

jtunnell

to: Barbara Keeler

06/19/2010 07:23 AM

Please respond to jtunnell

Hi Barbara,

I assumed it was a webcast but I guess not. I went to the event and it was really good. Lots of comparisons of Ixtoc 1 to the BP spill. They mentioned that HRI will be launching a mission next month back down to Mexico to all the old sites that Wes studied for a few decades. They are calling it the New Horizon mission. It will give us a glimpse of what we can expect to find here in the Northern Gulf in 15 to 30 years. Wes had done transects on the tar mats around Veracruz each year over a 20 year period or so and then also had lots of base line data from the early 70s prior to the Ixtoc spill occurring.

The event yesterday was also on our local NPR station so I'm betting the audio might be available there. The other speakers, Earle and Nipper, were also very good. Nipper and Earle said that all dispersants should be halted and that these chemicals should only be used for spills that are predictable in size like from a tanker. The effect of large endless quantities of these chemicals are unknown and coupled with the already low hypoxic zone in the Gulf and the chemical reactions of methane and around a thousand other chemicals in the oil are just another disaster we know little about. Long term or short term.

Thanks and I'll talk to you soon,

Jace

>
> RE: Wes Tunnell Returns to Bay of Campeche
>
> Jace Tunnell
> to:
> Barbara Keeler

> 06/18/2010 09:49 AM
>
>>
>
> Hi Barbara,
>
> Wes left on Tuesday (6-15-10) afternoon for Veracruz where he met with
> National Geographic. They went out on a boat and within 5 minutes of
> being in the water they found the historic tar mats at his old study
> site. He met with CNN yesterday and is flying back today. He is giving a
> presentation at 3:30pm CST today at the Harte Research Institute on
> comparisons of the 1979 Ixtoc spill and the 2010 Deep Horizon Spill. I
> don?t know if he will discuss what he found this past week but I suspect
> he will mention it. Sylvia Earle will also be on the panel discussion as
> well as Marion Nipper. The panel discussion will be web cast live. Here
> is the link with all the info and to the web cast:
> http://www.hartheresearchinstitute.org/index.php?option=com_content&view=article&id=138&Itemid=296
>
>
> I have not spoken to him yet except through email so I will give you more
> updates as I hear them.
>
> Thanks,
>
> Jace
>
>
> Jace Tunnell
> Project Manager
> Coastal Bend Bays & Estuaries Program
> 1305 N. Shoreline Blvd., Suite 205
> Corpus Christi, TX 78401
> (361) 885-6245
> (361) 881-5168 FAX
> jtunnell@cbbep.org
> www.cbbep.org
>
> From: Keeler.Barbara@epamail.epa.gov
> [<mailto:Keeler.Barbara@epamail.epa.gov>]
> Sent: Friday, June 18, 2010 9:32 AM
> To: jtunnell@cbbep.org
> Subject: Fw: Wes Tunnell Returns to Bay of Campeche
>

>
>
> Wes Tunnell Returns to Bay of Campeche
>
>
>
> Barbara Keeler
> to:
> Brad Crawford, Minerva Rojo, Kenneth Teague, Doug Jacobson, John Ettinger,
> Chris Llewellyn, Paul Kaspar, Stephen Bainter, Karen McCormick, Tamara
> Mick, Donna Mullins, Richard Prather, Jeanene Peckham, Tami Sundquist,
> Sharon Parrish, Raul Gutierrez, Jenelle Hill, Barbara Aldridge, Thomas
> Nystrom, Jim Herrington, Jane Watson, William Honker, Clay Miller, Timothy
> Landers, Paul Cough, Darrell Brown, Dawn Ison
> 06/18/2010 09:27 AM
>
>>
> Cc:
> R6 DWH EOC Water Desk, R6 DWH REOC PSC
>
>>
>
> While at TAMU--CC this week, it was announced that Dr. Wes Tunnell (Harte
> Research Institute for Gulf of Mexico Studies) has been funded by National
> Geographic to return to his Ixtoc study area in the Bay of Campeche to do
> a follow up assessment of the ecological impacts of the 1979 Pemex oil
> well blow out. He left earlier in the week and I'll try to get updates
> from Jace Tunnell, who works for the NEP known as the Coastal Bend Bays
> and Estuaries Program, partly funded by EPA.
>
>
> Barbara Keeler
> Coastal & Wetlands Planning Coordinator
> EPA Region 6 (6WQ-EC)
> 1445 Ross Ave., Suite 1200
> Dallas, TX 75202-2733
> tel: 214-665-6698
> fax: 214-665-6689
> e-mail: keeler.barbara@epa.gov
>
>
> From Inter Press Service (June 18, 2010):
>

>
>
>
> Ixtoc Disaster Holds Clues to Evolution of an Oil Spill
> By Matthew O. Berger and Emilio Godoy*
>
>
>
> The Ixtoc I oil well blowout lasted from June 1979 to March 1980.
>
> Credit:NOAA
>
>
>
> WASHINGTON/MEXICO CITY, Jun 16, 2010 (IPS) - On a spring day in the Gulf
> of Mexico, a pipe issuing from the sea floor ruptured, sending an
> explosion rippling up to the drilling platform above and spewing oil into
> the surrounding waters. Experts scrambled to seal off the ever-increasing
> mass of oil by capping the pipe, clogging it or covering it. Nothing
> worked.
>
> Work began on the drilling of a relief well. Oil continued to gush into
> the ecologically fragile and economically critical waters.
>
> That was 31 years ago.
>
> The 1979 explosion at Pemex's Ixtoc I offshore oil rig was the worst
> accidental oil spill in history, releasing an estimated 140 million
> gallons of crude oil before the relief well could plug the leak 290 days
> after it began.
>
> The amount of oil issuing from the well under the BP-owned Deepwater
> Horizon rig - relatively young at only 56 days old - is expected to
> surpass Ixtoc's record. Some estimates say it already has.
> What effect that oil will ultimately have on the surrounding environment
> and communities is far from clear, but the Ixtoc spill is certainly the
> most logical place to look for answers. Unfortunately, strikingly few
> studies were done in the wake of that catastrophe.
>
> One, titled "Impacto ecológico de la industria petrolera en la Sonda de
> Campeche, México, tras tres décadas de actividad" (Ecological Impact of
> the Oil Industry in the Bay of Campeche, Mexico, After Three Decades)
> found that the most persistent issues were pollution of estuaries and

> coastal lagoons lining the bay, and especially the effects on breeding and
> growth of several food fish species.
>
> Wes Tunnell, a biologist at the Harte Research Institute for Gulf of
> Mexico Studies based at Texas A&M University in Corpus Christi, has been
> studying the impacts of the Ixtoc spill since even before it took place.
>
> He has studied the southern Gulf of Mexico and the Bay of Campeche - where
> the Ixtoc I rig was located - for about 45 years, including regular visits
> to certain spill-impacted localities in the 30 years since 1979.
>
> But even he admits, "It's pretty baffling for most of us who studied that
> spill to know what happened to that oil and where it all went."
>
> He does know a few things about its impact, though.
>
> The blowout that led to the spill occurred on Jun. 3. Currents eventually
> washed the crude oil ashore in the Mexican states of Campeche, Tabasco,
> Veracruz and Tamaulipas. By the time it reached the south Texas coast in
> the first week of August, Tunnell was ready.
>
> "Over the next six weeks it pretty much coated the south Texas beaches for
> about 30 miles - a 20- to 30-foot wide band of oil and tar about a
> half-an-inch thick to one-foot thick in some places," he told IPS in a
> phone interview.
>
> With other researchers, he had taken samples before the oil got there, in
> July. They returned for more studies in September, after the oil had
> arrived and "been stirred up by some storms".
>
> What they discovered was that two groups of organisms that "can be found
> by the thousands per metre squared in the sand beneath your feet when
> you're walking along in the surf zone" - marine worms and amphipods - were
> reduced by 80 percent in the inter-tidal zone and 50 percent in the sub-
> tidal zone, though he emphasises that those numbers represent the averages
> of lots of different samples.
>
> "So we didn't see a drop in the number of species but a drop in the number
> of individuals. We thought 'Oh, boy, this is really severe'," Tunnell
> said.
>
> Two and half years after the spill, he got a graduate student to go do a
> thesis project on the same Texas beaches. It was discovered that by then

> the worm and amphipod numbers had rebounded.
>
> "So you can probably say that within two to three years the beach fauna or
> beach populations were back to where they were before the spill. I think
> that's probably a pretty standard thing. Fine-grain, sandy beaches can be
> cleaned up pretty easily," Tunnell explained.
>
> He also recalls a colleague who had studied the shrimp fishery based in
> Campeche, Mexico - the largest in the southern gulf - assuming that the
> fishery "would be devastated for years to come" by the oil from Ixtoc.
>
> But, he says, "The second year after the spill the shrimp populations were
> back to where they were before the spill, which is, again, pretty amazing
> to us."
>
> Tom Shirley, also of the Harte Institute, has some insights into why these
> organisms were able to bounce back so quickly.
>
> The equivalent of an oil tanker seeps into the water from oil deposits
> under the sea floor each year, and organisms have adapted to cope with the
> constant presence of oil in the water. That coping means that the animals
> in the gulf have a striking capacity to break down oil molecules, Shirley
> said.
>
> "So the gulf, due to these seeps, is more ready to deal with oil than most
> anywhere else," he said. "[It's] an amazingly resilient habitat."
>
> But, he explained, the naturally-occurring seeps happen in a much more
> gradual way that is likely much easier for organisms to manage and cope
> with than the tens of thousands of barrels in the water right now.
>
> "As long as oil spills remain out on the open sea, the effects are
> relatively limited," Daniel Lluch-Cota, a biologist at the state Northwest
> Biological Research Centre and one of the four authors of the 2004 study,
> told IPS. "The real trouble begins when they reach the shore."
>
> The effects on coastal flora and fauna "are serious, and include from
> reduced phytoplankton productivity to direct damage to seabirds and other
> species," he said.
>
> Remnants of the Ixtoc spill could still be seen and touched as recently as
> seven years ago, and Tunnell is setting out this week to determine whether
> they are still there today.

>
> In the fall of 1979, while he was studying the impact of the oil washing
> up in Texas, he sent a couple graduate students to the reefs in the
> southern gulf, near Veracruz. They found that the oil had come in on a
> tropical storm and was floating over the top of the reefs where it did not
> directly impact them. It had, however ringed a lot of the reef islands
> with 12 to 15 inch-thick mats of oil.
>
> He continued to track and map these mats, returning each June with his
> class. "They slowly continued to break down, particularly in the next five
> to six years after the spill. After that time it was pretty hard to find
> any remnants of the spill," he said.
>
> Still, environmental campaigners note that no authoritative assessment has
> ever been made.
>
> "We don't know if the damage done [at Ixtoc] has been remedied. Petr6leos
> Mexicanos (PEMEX, the state oil company) has limited capacity for cleaning
> up pollution," Gustavo Ampugnani, Greenpeace International political
> coordinator for Latin America, told IPS.
>
> *Emilio Godoy reported from Mexico.
>
>>
>
> A Diving Trip Reveals "Tar Blobs"
> Decades after the Ixtoc spill, in 2002, biologist Wes Tunnell was on a
> cruise in the Veracruz reefs with National Geographic.
>
> After only 15 minutes of snorkeling there, he encountered what most
> snorkelers would think is just a rock or ledge, covered in sand, algae and
> shells - "I stuck my knife into it. When I pulled it out it was tar."
>
> He describes this "tar blob" as inert, "just laying there," with black
> sediments around the base that indicated there were extremely low levels
> of oxygen there.
>
> "It means there may be a little bit of impact going on right adjacent to
> the base of it, but on the top of it, I think it was pretty inert or
> sealed off there because other living things were crawling around on it
> and growing on it," Tunnell said. "[These blobs] just continue to weather
> over time and get smaller and smaller."
>

> Tunnell recently asked a friend that was on the same 2002 cruise to search
> for the blobs again, but "he couldn't find anything".
>
> This week Tunnel is flying back to Veracruz himself to see what remnants -
> if any - are still present. "We're going to do a really good search to see
> if there's any left or if they're all gone, just to fill in the story," he
> said.
>
> "It's a question I've had from so many people - both the public and
> scientists: 'Well, what happened to all of [the oil]?' For the most part,
> I think it's gone and we won't find much, but we're going to go back just
> to check and make sure."
>
>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/20/2010 08:02 AM
Subject: Ranking the B.Pocalypse against other catastrophes

Folks-

If you're a dad, Happy Father's Day! Whether or not, the same goes for your dad.

See this [post](#) on ranking the ecological crisis that President Obama called the worst in US history.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: pstouffer@lsu.edu
Date: 06/21/2010 12:10 PM

Subject:

Oil spill, flooded ag lands, and migrating birds

Hi Phil- Would you be willing to discuss with me on the phone any thoughts you might have on the above topic? If so, I can give you more info on the phone. I understand if you might prefer not to comment though. If you wouldn't mind talking, let me know a good day/time to call, or just call me. Thanks.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr Chris Llewellyn/R6/USEPA/US
o

m:

To Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellow/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

Da 06/21/2010 02:28 PM
te:

Su Region 6 WQ Situation Update #36 (6-21-2010)
bje
ct:

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US

To: Barbara Keeler/R6/USEPA/US@EPA

Cc: "Mr. William Honker" <Honker.William@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>

Date: 06/22/2010 09:53 AM

Subject: Re: Fw: Fw: Clarification re: Wetlands

ct:

To be clear, I hadn't seen any of the documents you refer to in your response. And I am guessing that you intended to state that you "previously reviewed this material" for our managers? Obviously nobody has reviewed anything for *me*. Just trying to be clear here, for the record, given that I wasn't involved in any of this.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist

Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Mr. William Honker" <Honker.William@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>
Date: 06/07/2010 06:02 PM
Subject: Re: Fw: Fw: Clarification re: Wetlands
ct:

While I also don't have the attachment here or with me (I'm in B.R.), I have previously reviewed this material for you and found no problems. As I recall, it did reference either the first ecological impacts paper I wrote for R6 or the combined R6/R4/OW one that followed several weeks later.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Re: Fw: Fw: Clarification re: Wetlands [Link](#)

Kenneth Teague

06/07/2010 01:24 PM

to: Karen McCormick

Cc: "Mr. William Honker", "Barbara Keeler", R6 DWH EOC Water Desk, "Jane Watson"

Karen- I didn't see anything here that caused me any concerns, *though I did not get the attachments, nor have I ever seen them*. Therefore, I can't comment on the attachments at all.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US

To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>

Cc: R6 DWH EOC Water Desk@EPA

Date: 05/29/2010 01:58 AM

Subje Fw: Fw: Clarification re: Wetlands

ct:

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/29/2010 12:31 AM CDT

To: Nancy Jones

Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison

Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

From: Nancy Jones/R6/USEPA/US
To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA
Cc: R6 DWH Info@EPA
Date: 05/28/2010 03:28 PM
Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendl, Mary E

t
O
: Nancy Jones

05/22/2010 06:52 PM

Cc: "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

- Stage I On-water recovery of floating oil slicks in near shore waters
- Stage II: Initial cleaning of bulk oil from intertidal areas until the source is controlled
- Stage III: Removal of oil to habitat-specific cleanup endpoints once source control is achieved

Stage III shoreline response will be conducted in accordance with a separate Shoreline Response Plan which will be approved by BP, FOSC, and SOSC in Incident Command. Section 3.1 of the Shoreline Response Plan pertains to salt, brackish, intermediate and freshwater marshes. It states:

Oil may enter salt, brackish, and intermediate marshes, perhaps repeatedly until the source is controlled. The oil could be pushed into the dense roseau cane vegetation adjacent to freshwater channels. The cleanup goal in these habitats is to remove as much oil as possible using methods such as vacuuming and skimming conducted from boats. In Louisiana, high water levels in the bays during strong southeast winds typically result in oil stranding in the interior of salt to intermediate marshes. Site-specific guidance will be provided for oil removal from the interior of marshes. If feasible, low-pressure flushing may also be used to increase the effectiveness of vacuum and skimming. Heavily oiled debris should also be removed.

Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird concentration areas.
- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)
- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,
Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [mailto:Jones.Nancy@epamail.epa.gov]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E
Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll
Sent: 05/21/2010 08:52 PM EDT
To: "Sam Coleman" <Coleman.Sam@epa.gov>
Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>
Subject: Fw: Clarification re: Wetlands
Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison
Sent: 05/21/2010 01:50 PM CDT
To: Craig Carroll
Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores;

Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC
Water Desk

Subject: Fw: Clarification re: Wetlands
Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and Region 4.

There are mechanisms already in place within Unified Command to address natural resource impacts and many agencies in Unified Command are working on this. At this point, the attached EPA documents describe the situation and potential impacts very well. Please forward to Unified Command to be incorporated into the planning section.

Unified Command is welcome to incorporate these documents into their Area Contingency Plan or use in any way they see fit.

Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage ourselves within the operations Unified Command. Unfortunately, these are response actions that should already being addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

Sent by EPA Wireless E-Mail Services
Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands
:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands cleanup to provide guidance re: standards/best practices for wetlands re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See attached file: Qs and As for Ecological Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA
Date: 06/22/2010 10:12 AM
Subject: Re: Fw: Fw: Clarification re: Wetlands

Karen- I was simply not comfortable with the last email I had suggesting that I had seen things that I had not, and that somebody had reviewed something for *me*, which was certainly not the case. Just trying to correct the record.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202

phone: 214-665-6687

FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA
Cc: William Honker/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>
Date: 06/22/2010 09:58 AM
Subject: Re: Fw: Fw: Clarification re: Wetlands

Ken - thanks however this is over and headquarter OW is the lead now!

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Kenneth Teague

Sent: 06/22/2010 09:53 AM CDT

To: Barbara Keeler

Cc: William Honker; Karen McCormick; R6 DWH EOC Water Desk; "Jane Watson" <watson.jane@epa.gov>

Subject: Re: Fw: Fw: Clarification re: Wetlands

To be clear, I hadn't seen any of the documents you refer to in your response. And I am guessing that you intended to state that you "previously reviewed this material" for our managers? Obviously nobody has reviewed anything for *me*. Just trying to be clear here, for the record, given that I wasn't involved in any of this.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Barbara Keeler/R6/USEPA/US
To: Kenneth Teague/R6/USEPA/US@EPA
Cc: "Mr. William Honker" <Honker.William@epamail.epa.gov>, Karen McCormick/R6/USEPA/US@EPA, R6 DWH EOC Water Desk@EPA, "Jane Watson" <watson.jane@epa.gov>
Date: 06/07/2010 06:02 PM
Subject: Re: Fw: Fw: Clarification re: Wetlands
ct:

While I also don't have the attachment here or with me (I'm in B.R.), I have previously reviewed this material for you and found no problems. As I recall, it did reference either the first ecological impacts paper I wrote for R6 or the combined R6/R4/OW one that followed several weeks later.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Re: Fw: Fw: Clarification re: Wetlands [Link](#)

Kenneth Teague

to: Karen McCormick

06/07/2010 01:24 PM

Cc: "Mr. William Honker", "Barbara Keeler", R6 DWH EOC Water Desk, "Jane Watson"

Karen- I didn't see anything here that caused me any concerns, *though I did not get the attachments, nor have I ever seen them*. Therefore, I can't comment on the attachments at all.

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

From: Karen McCormick/R6/USEPA/US

To: "Jane Watson" <watson.jane@epa.gov>, "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Barbara Keeler" <Keeler.Barbara@epamail.epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>

Cc: R6 DWH EOC Water Desk@EPA

Date: 05/29/2010 01:58 AM

Subject: Fw: Fw: Clarification re: Wetlands

ct:

Please review and provide comments if necessary....thanks

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll

Sent: 05/29/2010 12:31 AM CDT

To: Nancy Jones

Cc: Al Armendariz; R6 DWH Info; Sam Coleman; Karen McCormick; Dawn Ison

Subject: Re: Fw: Clarification re: Wetlands

Thanks for following up Nancy.

Craig Carroll
Chief, Emergency Readiness Section
EPA Region 6
Ph: 214-665-2220
Fax: 214-665-9718

From: Nancy Jones/R6/USEPA/US

To: Al Armendariz/R6/USEPA/US@EPA, Craig Carroll/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA

Cc: R6 DWH Info@EPA

Date: 05/28/2010 03:28 PM

Subject: Fw: Clarification re: Wetlands

see below

----- Forwarded by Nancy Jones/R6/USEPA/US on 05/22/2010 07:38 PM -----

RE: Clarification re: Wetlands

Cocklan-Vendi, Mary E

t
o
: Nancy Jones

05/22/2010 06:52 PM

Cc: "Gary Hayward", "Santner, Richard", jmichel, John.Tarpley, "Owens, Ed (PAS)", "ELLIOTT TAYLOR"

Nancy,

Per your request, John Tarpley (NOAA), Ed Owens (Polaris), and I Reviewed the attached documents and find the Near Shore and Shoreline Stage I and II Response Plan for Louisiana to be consistent with these documents regarding wetland shoreline response. As noted in the title, this response plan only deals with Stage I and Stage II Shoreline Response where:

- Stage I On-water recovery of floating oil slicks in near shore waters
- Stage II: Initial cleaning of bulk oil from intertidal areas until the source is controlled
- Stage III: Removal of oil to habitat-specific cleanup endpoints once source control is achieved

Stage III shoreline response will be conducted in accordance with a separate Shoreline Response Plan which will be approved by BP, FOSC, and SOSC in Incident Command. Section 3.1 of the Shoreline Response Plan pertains to salt, brackish, intermediate and freshwater marshes. It states:

Oil may enter salt, brackish, and intermediate marshes, perhaps repeatedly until the source is controlled. The oil could be pushed into the dense roseau cane vegetation adjacent to freshwater channels. The cleanup goal in these habitats is to remove as much oil as possible using methods such as vacuuming and skimming conducted from boats. In Louisiana, high water levels in the bays during strong southeast winds typically result in oil stranding in the interior of salt to intermediate marshes. Site-specific guidance will be provided for oil removal from the interior of marshes. If feasible, low-pressure flushing may also be used to increase the effectiveness of vacuum and skimming. Heavily oiled debris should also be removed.

Use of more intrusive methods such as cutting or burning vegetation, or placement of boardwalks to access interior oil will be avoided during Stage II cleaning. There are real concerns that this level of activity, especially if repeated, will cause cut vegetation to die back, and multiple entries across the marshes will cause mixing of oil into the sediments, compaction of the marsh surface, and degradation or potential loss of the marsh.

The table contained in the shoreline response plan describes general cleanup guidelines along with allowable cleanup methods and constraints by shore line type for Stage II response. For marsh fringe and open-water areas between broken marshes, the following apply:

- **Stage II Cleanup Goals:** Removal of bulk oil to the point where only a sheen remains so that it no longer releases oil that can re-oil adjacent habitats or affect highly sensitive areas, such as bird concentration areas.
- **Allowable Stage II Cleanup Methods:** Skimming and vacuum of floating oil on the water surface; use flushing with sea water along the marsh fringe to release trapped oil; where remaining oil poses a significant threat to bird concentration areas, sorbent snare may be deployed (such areas will be identified by the Environmental Unit)
- **Constraints:** All work is to be conducted from boats; there will be no foot traffic in vegetated areas; do not state boats such that the vegetation is crushed; during flushing, prevent suspension of bottom sediments (do not create a muddy plume); do not disturb any marsh soils or peat; no cutting of vegetation allowed; and areas with interior oiling of marshes where oil should be removed will be identified by the Environmental Unit)

We believe this response strategy is consistent with the OW Combined Summary of Ecological Impacts of the Oil Spill provided for review below, specifically the "Physical Impacts to the Environment" section of Section 4 pertaining to onshore habitats.

Regards,
Mary Cocklan-Vendl

Mary E Cocklan-Vendl / Richard Santner
BP - MC 252 Incident Response
Shoreline Response Program Manager

MC-V Mobile: 907-227-3464
RS Mobile: 985-414-5941
RS Mobile (International): 44-7920-579223

-----Original Message-----

From: Jones.Nancy@epamail.epa.gov [<mailto:Jones.Nancy@epamail.epa.gov>]
Sent: Saturday, May 22, 2010 12:52 PM
To: Cocklan-Vendl, Mary E

Cc: R6_DWH_Info@epamail.epa.gov
Subject: Fw: Clarification re: Wetlands

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Craig Carroll
Sent: 05/21/2010 08:52 PM EDT
To: "Sam Coleman" <Coleman.Sam@epa.gov>
Cc: "Mark Hansen" <Hansen.Mark@epa.gov>; R6 DWH REOC RIC; "Chris Ruhl" <Ruhl.Christopher@epa.gov>; "Althea Foster" <Foster.Althea@epa.gov>; "Nancy Jones" <Jones.Nancy@epa.gov>
Subject: Fw: Clarification re: Wetlands
Sam,

See 6WQ response below. I believe UC probably has addressed most of these issues. Is this how you want to answer the question?

Please

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Dawn Ison
Sent: 05/21/2010 01:50 PM CDT
To: Craig Carroll
Cc: Karen McCormick; Jane Watson; William Honker; Miguel Flores; Althea Foster; Susan Webster; Mark Hansen; R6 DWH REOC RIC; R6 DWH EOC Water Desk
Subject: Fw: Clarification re: Wetlands

Craig,

Per the question below referring to standards/best practices for wetland remediation and EPA involvement, please see the attached Ecological Impacts Summary document and the Ecological Question and Answer document. These documents were developed in conjunction with EPA HQ and Region 4.

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Please let us know if you have more questions about EPA's involvement in wetland remediation and we can all get together to discuss further,

Thanks,

Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

☐ Be kind to the environment.

Please don't print this email unless necessary.

Jane - we need to bring out the Coastal Impact Plan that Barbara Keeler and headquarters produced and see how we would provide and/or engage ourselves within the operations Unified Command. Unfortunately, these are response actions that should already being addressed by the National Resource Trustees.....but without being co-located within the Unified Command Structure not sure if this is happening. Let's discuss!!

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Craig Carroll

----- Original Message -----

From: Craig Carroll

Sent: 05/21/2010 09:59 AM CDT

To: Karen McCormick

Cc: Mark Hansen; Susan Webster; R6 DWH REOC RIC

Subject: Fw: Clarification re: Wetlands

Please let me know by 1400 hrs today your input to Sam's question below. Thanks

Craig Carroll

Chief, Emergency Readiness Section

EPA Region 6

Ph: 214-665-2220

Fax: 214-665-9718

----- Forwarded by Craig Carroll/R6/USEPA/US on 05/21/2010 09:57 AM

From: Sam Coleman/R6/USEPA/US

To: Craig Carroll/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA

Date: 05/21/2010 09:29 AM

Subject Fw: Clarification re: Wetlands

:

Let me know if need to and how we can implement this

Samuel Coleman, P.E.
Director, Superfund Division Region 6
214 665-6701
214 789-2016 (cell)
coleman.sam@epa.gov

----- Forwarded by Sam Coleman/R6/USEPA/US on 05/21/2010 09:28 AM -----

From: Mathy Stanislaus/DC/USEPA/US

To: "Sam Coleman" <Coleman.Sam@epamail.epa.gov>

Cc: "Paul Anastas" <Anastas.Paul@epamail.epa.gov>, "Dana Tulis"
<Tulis.Dana@epamail.epa.gov>

Date: 05/21/2010 08:21 AM

Subje Clarification re: Wetlands
ct:

Sam: EPA should be involved in CG,NOA, ROI's response to Wetlands
cleanup to provide guidance re: standards/best practices for wetlands

re mediation. Paul - please add

(See attached file: OW Eco Impacts of Oil Spill combined 5 7 10.doc) (See attached file: Qs and As for Ecological Impacts Final.doc)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Kenneth Teague/R6/USEPA/US
To: Karen McCormick/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA
Cc: Chris Llewellyn/R6/USEPA/US@EPA
Date: 06/23/2010 09:59 AM
Subject: Irv Mendelssohn oil spill video

Good video with oil spill advice from Irv Mendelssohn, one of my former professors, and Chris' major professor's major professor, and noted expert on Louisiana coastal wetlands, and oil effects on them.

<http://www.youtube.com/watch?v=syGM13egoc0>

Kenneth Teague, PWS, Certified Senior Ecologist
Environmental Scientist
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)

Dallas, TX 75202
phone: 214-665-6687
FAX: 214-665-6689

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

F David Reazin/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/23/2010 02:28 PM

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S Region 6 WQ Situation Update # 38 (6-23-2010)

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Barbara Keeler/R6/USEPA/US

To: Tamara Mick/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Tami
Sundquist/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Barbara
Aldridge/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Kenneth
Teague/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Paul
Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA

Subject: Gulf Oil Spill - Center for Inland Bays event to help Barataria-Terrebonne
 ct:

Gulf Oil Spill - Center for Inland Bays event to help Barataria -Terrebonne

06/23/2010
01:10 PM

Kudos to Inland Bays for spearheading this educational event and benefit concert to aid Barataria-Terrebonne in responding to the oil spill!

More News From The Inland Bays...
Gulf Oil Spill & the CIB/National Estuary Program

The Center for the Inland Bays is one of 28 National Estuary Programs (NEP) designated by Congress. Two of our "sister" NEPs in the Gulf of Mexico have been directly impacted by the BP Deepwater Horizon Oil Spill: the Barataria-Terrebonne Estuary Program <http://www.btneq.org> in Louisiana and the Mobile Bay Estuary Program <http://www.mobilebaynep.com> in Alabama.

Click here for the latest GIS information and analysis about the Gulf oil spil... <http://www.geoplatform.gov/gulfresponse/>

Also, get the latest news about Delaware Coast Gulf Aid at <http://www.decoastgulfaid.org/> or on Facebook at "Delaware Coast Gulf Aid"

website: <http://www.decoastgulfaid.org>

Delaware Coast Gulf Aid is the creation of a coalition of Delaware Coast people and businesses, shocked and saddened by the horrific devastation caused by the Deepwater Horizon oil spill in the Gulf of Mexico. Home to the Inland Bays, one of 28 national estuary systems that provide critical habitat for coastal marine life, our community is inextricably linked to our neighbors in the Gulf.

Unified, we choose education and action over paralysis and frustration. We are committed to raise awareness and resources to help support and save our sister, the Barataria-Terrebonne National Estuary.

To promote awareness, educate and raise funds for Gulf disaster relief efforts. Through our local Center For the Inland Bays we are linked via the National Estuary Program to our sister

Barataria-Terrebonne Estuary in Louisiana. Funds raised will benefit the Barataria-Terrebonne National Estuary Program (BTNEP). We hope you will join our effort.

Unable to attend the event? Please visit our website at www.inlandbays.org to learn how you can make an important investment to help support the efforts and the Center for the Inland Bays, your local National Estuary Program.

For more information concerning the disastrous oil spill in the Gulf and its impact on human health, seafood, recovery, and wildlife, visit the Gulf of Mexico Sea Grant website, www.GulfSeaGrant.tamu.edu, which is being continually updated. For information about National Estuary Programs visit www.inlandbays.org and www.BTNEP.org.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Louisiana CPRA <info@lacpra.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 06/23/2010 09:49 PM
Subject: Statement from CPRA Chairman Garret Graves In Reaction to Corps Shutting Down Sand Berm

For Immediate Release: June 23, 2010

Contact: Chris Macaluso

chris.macaluso@la.gov

Statement from CPRA Chairman Garret Graves In Reaction to Corps Shutting Down Sand Berm Oil Protection Efforts:

"Tonight, the United States Army Corps of Engineers New Orleans District officially shut down the state's dredging operation to protect coastal Louisiana from the ongoing impact of millions of gallons of oil leaking into the Gulf from the BP oil spill.

"After conference calls and meetings throughout the day, reports from the Corps that they had not shut down our efforts, and a top federal official said he was not halting our dredging operation, we have now been notified that our efforts to help prevent the oil from hitting our coast are officially stopped. Interestingly, the Corps' press release tonight said this was done in 'close coordination' with the state, while we have actually been pleading with them to let our dredging operations continue.

"This decision was made only hours after BP reported that they had to remove the containment cap and we, once again, have an estimated 60,000 barrels of oil per day to destroy our fisheries, birds, wetlands and coastal communities -- mind-boggling".

"Indeed, the Corps' own permit indicates that we are currently operating within the allowed dredge area. Our operations on the Northern Chandeleurs have all been within our approved permitted area. We simply asked to continue dredging operations until we could ensure a seamless transition to the next sand borrow site. Reports today show that oil will hit our coast again next week and now we will lose thousands of feet of sand berm that we could have built up in that time to protect our marshes and our coast. Because of this fact, we made it clear to the Corps that their 'Option 1' was never an option for the state.

"All of the sudden, the Department of the Interior claims we were dredging outside of the permitted area, yet they agreed to this spot for seven to 10 days. If we were dredging outside the confines of the original permit - which we were not -- the agencies would have had to issue a new permit for dredging outside of the initial permit. A new permit was not issued because it was not needed. We were dredging within the permitted area.

"In fact, the Shaw Group project manager for the sand berms is a former top official within the Corps of Engineers. There are few folks in this world that are more familiar with the Corps' regulatory procedures. To suggest that the project manager would dredge outside of a permitted area is absurd.

"The Corps's statement also says they have concerns about the 'additional erosion issues and possible deterioration of the Chandeleur Islands.' While I certainly appreciate the Corps' and USFWS's new-found love for the Chandeleur Islands, if they were actually interested in preventing further erosion in this area surely they would have invested even one dollar from their budgets for coastal restoration projects in the many years they have owned and managed this area -- as they have done for other refuges and recreational areas.

"Communities used to live on these islands, today they are virtually gone. Additionally, the Department of the Interior's continued insistence that this dredge area is a bird rookery makes it clear that they are confused about what it is that they are protecting - and perhaps have never been to the Chandeleurs at all. There isn't a place for a bird to land for over a mile away.

"Additionally, one of the Department of the Interior's top political appointees told the Associated Press that we were dredging 'in between islands.' Mr. Strickland should probably consult a current map, because there is nothing north of where we were dredging on the Chandeluer Island chain. It is not 'in between' anything. Perhaps if the federal government had taken any interest in protecting the coast in this area there would truly be places for birds to land and people to fish today."

The Coastal Protection and Restoration Authority's mandate is to develop, implement and enforce a comprehensive coastal protection and restoration master plan. For the first time in Louisiana's history, this single state authority will integrate coastal restoration and hurricane protection by marshalling the expertise and resources of the Louisiana Office of Coastal Protection and Restoration, and other state agencies, to speak with one clear voice for the future of Louisiana's coast. Working with federal, state and local political subdivisions, including levee districts, the CPRA will work to establish a safe and sustainable coast that will protect our communities, the nation's critical energy infrastructure, and our bountiful natural resources for generations to come. The CPRA of Louisiana was established by Act 8 of the 1st Extraordinary Session of 2005.

Coastal Protection and Restoration Authority

Capitol Annex - State of Louisiana

P.O. Box 44027

Baton Rouge, LA 70804-4027

(c) 2010 Coastal Protection and Restoration Authority

www.lacpra.org

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----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr Mike Bira/R6/USEPA/US

o

m:

To Beverly Ethridge/R6/USEPA/US@EPA, Bobby Hernandez/R6/USEPA/US@EPA, Brad Lamb/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Diane Evans/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Bira/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Randall Rush/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, Russell Nelson/R6/USEPA/US@EPA, Tina Hendon/GB/USEPA/US@EPA, Emily Brokaw/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Forrest John/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Barbara Aldridge/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Wanda Boyd/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Denise

Hamilton/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Minerva Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA

Da 06/24/2010 09:32 AM
te:

Su Fw: BP Oil Spill Panel Discussions Online
bje
ct:

FYI-

This is a televised panel discussion from Corpus on Fri 6/25 that you may want to watch. Details below.

Mike Bira
USEPA Region 6
Dallas, TX
214-665-6668

----- Forwarded by Mike Bira/R6/USEPA/US on 06/24/2010 09:29 AM -----

Fw: BP Oil Spill Panel Discussions Online

Ann_Port t
er o
: kris.pintado, George Guillen, Mark Fisher, Bosenberg, Robert H MVN, Lee, John - Jackson, MS, Vigh, David A
MVD, Martin, Lynn R IWR, Camille.Mittelholtz, Phil Bass, Mike Bira, Darrell Brown, Lael Butler, Ed Decker, Jim
Giattina

06/24/201
0 09:26
AM

FYI, Nutrients Team.

----- Forwarded by Ann Porter/SW/OPC/DEQ on 06/24/2010 09:23 AM -----

From: Lee Yokel <lyokel@disl.org>
To: undisclosed-recipients;;
Date: 06/23/2010 04:54 PM
Subject: BP Oil Spill Panel Discussions Online

Deepwater Horizon Oil Spill Panel Discussions

Friday, 25 June 2010

3:30-4:30pm

Harte Research Institute conference room 127

Texas A&M University - Corpus Christi

Tune into watch it live online

<http://www.ustream.tv/user/tamuccvideogallery>

Overview and Moderator
Dr. Larry McKinney
Harte Research Institute

Economic Impacts
Dr. David Yoskowitz
Harte Research Institute

Oiled Shoreline Mapping, Impacts and Cleanup
Dr. Jim Gibeaut
Harte Research Institute

Fisheries Impacts
Dr. Greg Stunz
Harte Research Institute

Harte Research Institute, Texas A&M Corpus Christi

--
Lee Yokel

Environmental Education Coordinator
Gulf of Mexico Alliance

Dauphin Island Sea Lab
101 Bienville Blvd
Dauphin Island, AL 36528
(251) 861-2141 ext.7507 New Number!
(251) 861-7421 fax
lyokel@disl.org

www.gulfallianceeducation.org

www.gulfofmexicoalliance.org

Online Digital Library: <http://www.nbii.gov/gomaeen/>
Listserv <http://www.disl.org/mailman/listinfo/gomaeen>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr Barbara Keeler/R6/USEPA/US
o
m:

To Mike Bira/R6/USEPA/US@EPA
:

Cc Barbara Aldridge/R6/USEPA/US@EPA, Beverly Ethridge/R6/USEPA/US@EPA, Bobby Hernandez/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brad
Lamb/R6/USEPA/US@EPA, Carolyn Hill/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Denise Hamilton/R6/USEPA/US@EPA,
Diane Evans/R6/USEPA/US@EPA, Donna Mullins/R6/USEPA/US@EPA, Doug Jacobson/R6/USEPA/US@EPA, Emily Brokaw/R6/USEPA/US@EPA, Forrest
John/R6/USEPA/US@EPA, Jeanene Peckham/R6/USEPA/US@EPA, Jenelle Hill/R6/USEPA/US@EPA, Jessica Franks/R6/USEPA/US@EPA, Jim Herrington/R6/USEPA/US@EPA,
John Ettinger/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark
Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Bira/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Minerva
Rojo/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Kaspar/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA,
Randall Rush/R6/USEPA/US@EPA, Raul Gutierrez/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, Richard Prather/R6/USEPA/US@EPA, Russell
Nelson/R6/USEPA/US@EPA, Sharon Parrish/R6/USEPA/US@EPA, Stephen Bainter/R6/USEPA/US@EPA, Tamara Mick/R6/USEPA/US@EPA, Tami
Sundquist/R6/USEPA/US@EPA, Thomas Nystrom/R6/USEPA/US@EPA, Tina Hendon/R6/USEPA/US@EPA, Wanda Boyd/R6/USEPA/US@EPA

Da 06/24/2010 09:49 AM
te:

Su Re: Fw: BP Oil Spill Panel Discussions Online
bje

ct:

This is being broadcast as a streaming video, which we cannot watch on EPA computers. The acoustics of the room are not conducive to opening a phone line. However, the Harte Research Institute is uploading the panel discussions from last week (this is a series of panel discussions) in segments via YouTube but they are experiencing technical problems. The first panel upload is at <http://www.youtube.com/watch?v=5nETiH3jbDw>. Other options are being explored for future panel sessions and staff members of the CBBEP will likely attend or listen to most of the broadcasts.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: 214-665-6698
fax: 214-665-6689
e-mail: keeler.barbara@epa.gov

Fw: BP Oil Spill Panel Discussions Online

M
ik t Beverly Ethridge, Bobby Hernandez, Brad Lamb, Carolyn Hill, Diane Evans, Matt Hubner, Melinda McCoy, Mike Bira,
e o Philip Crocker, Randall Rush, Renee Bellew, Russell Nelson, Tina Hendon, Emily Brokaw, Charlie Howell, Forrest John,
B : Jessica Franks, Laura Hunt, Mark Stead, Mike Schaub, Paul Koska, Barbara Aldridge, Donna Mullins, Jeanene
ir : Peckham, Jenelle Hill, Jim Herrington, Raul Gutierrez, Richard Prather, Sharon Parrish, Tamara Mick, Tami Sundquist,
a Thomas Nystrom, Wanda Boyd, Barbara Keeler, Brad Crawford, Chris Llewellyn, Denise Hamilton, Doug Jacobson,
John Ettinger, Karen McCormick, Kenneth Teague, Minerva Rojo, Patricia-A Taylor, Paul Kaspar, Stephen Bainter

06/24/2010
09:32 AM

FYI-

This is a televised panel discussion from Corpus on Fri 6/25 that you may want to watch. Details below.

Mike Bira
USEPA Region 6
Dallas, TX
214-665-6668

----- Forwarded by Mike Bira/R6/USEPA/US on 06/24/2010 09:29 AM -----

Fw: BP Oil Spill Panel Discussions Online

Ann_Porter o t kris.pintado, George Guillen, Mark Fisher, Bosenberg, Robert H MVN, Lee, John - Jackson, MS, Vigh, David A
: MVD, Martin, Lynn R IWR, Camille.Mittelholtz, Phil Bass, Mike Bira, Darrell Brown, Lael Butler, Ed Decker, Jim
Giattina

06/24/201
0 09:26
AM

FYI, Nutrients Team.

----- Forwarded by Ann Porter/SW/OPC/DEQ on 06/24/2010 09:23 AM -----

From: Lee Yokel <lyokel@disl.org>
To: undisclosed-recipients;;
Date: 06/23/2010 04:54 PM
Subject: BP Oil Spill Panel Discussions Online

Deepwater Horizon Oil Spill Panel Discussions

Friday, 25 June 2010
3:30-4:30pm

Texas A&M University - Corpus Christi

Tune into watch it live online

<http://www.ustream.tv/user/tamuccvideogallery>

Overview and Moderator

Dr. Larry McKinney

Harte Research Institute

Economic Impacts

Dr. David Yoskowitz

Harte Research Institute

Oiled Shoreline Mapping, Impacts and Cleanup

Dr. Jim Gibeaut

Harte Research Institute

Fisheries Impacts

Dr. Greg Stunz

Harte Research Institute

Harte Research Institute, Texas A&M Corpus Christi

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Lee Yokel

Environmental Education Coordinator

Gulf of Mexico Alliance

Dauphin Island Sea Lab

101 Bienville Blvd

Dauphin Island, AL 36528

(251) 861-2141 ext.7507 New Number!

(251) 861-7421 fax

lyokel@disl.org

www.gulfallianceeducation.org

www.gulfofmexicoalliance.org

Online Digital Library: <http://www.nbii.gov/gomaeen/>

Listserv <http://www.disl.org/mailman/listinfo/gomaeen>

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

F Karen McCormick/R6/USEPA/US

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/24/2010 02:46 PM

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S Fw: WQ Situation Update #39 (6-24-2010)

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Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: R6 Mailroom/R6/USEPA/US
To:
Date: 06/24/2010 04:12 PM
Subject: AEM: Region 6's Response to the BP Oil Spill

**This is being sent as R6 All Employee Memo - Please do not reply to this mass mailing
This memo and all Region 6 "All Employee Memos" may be viewed on the Region 6 Intranet**

NO HARD COPY TO FOLLOW

Date: June 24, 2010

MEMORANDUM

SUBJECT: Region 6's Response to the BP Oil Spill

FROM: Lynda F. Carroll
Assistant Regional Administrator
for Management (6MD)

TO: All EPA Region 6 Employees

In an effort to keep everyone informed, we have scheduled an All-Hands meeting for Monday, June 28th, at 1:30pm in the 12th floor conference room center for you to hear the latest information concerning our role with the clean-up efforts. In fact, the union suggested that a briefing would be appreciated by all of you to hear of our efforts. The meeting will probably last about an hour. Please plan to come and hear of our actions to date and plans for the future.

Thank you for your cooperation.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

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T Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie
o Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA,
Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane
: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt
Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA,
Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC
Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr Karen McCormick/R6/USEPA/US
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m:

To "Jane Watson" <watson.jane@epa.gov>, Honker.William@epamail.epa.gov, "Miguel Flores" <Flores.Miguel@epamail.epa.gov>, "Sharon Parrish" <Parrish.Sharon@epamail.epa.gov>, "Charlie Howell" <howell.charlie@epa.gov>, "Philip Crocker" <Crocker.Philip@epamail.epa.gov>, "Claudia Hosch" <Hosch.Claudia@epamail.epa.gov>, "Brent Larsen" <larsen.brent@epa.gov>, "Dawn Ison" <ison.dawn@epa.gov>

Cc
: R6 6WQ-EC, R6 DWH EOC Water Desk@EPA

Da 06/25/2010 03:43 PM
te:

Su Fw: Daily Water Report 6-25-10
bje
ct:

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: Doug Mundrick

Sent: 06/25/2010 03:21 PM EDT

To: banister.beverly@epa.gov; Andrea Zimmer; Chris Thomas; Dan Olone; Apanian.David@epa.gov; David Melgaard; R4EOCWater; Dawn Ison; Karen McCormick; R6 DWH EOC Water Desk; Benjamin Franco; Carter Williamson; Dean Ullock; Franklin Hill; Matt Taylor; Shane Hitchcock; Antonio Quinones; Archie Lee; Bill Cosgrove; Gary Bennett; John Deatrick; Mike Peyton; Scott Gordon; Stan Meiburg; Becky Allenbach; Chris Thomas; Fred Thompson; Gail Mitchell; Jim Giattina; Joanne Benante; Richard Harvey; Stallings Howell; Tom Welborn; WilliamL Cox; Amanda Driskell; Annie Godfrey; Cesar Zapata; Christopher Plymale; Dan Olone; Ed Springer; Fred McManus; Jennifer Derby; Marjan Peltier; Mark Nuhfer; Molly Davis; Natalie Ellington; Shawneille Campbell-Dunbar; Thomas McGill; Tony Able

Subject: Fw: Daily Water Report 6-25-10

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Karen McCormick/R6/USEPA/US

To: "Jane Watson" <watson.jane@epa.gov>, "Kenneth Teague" <Teague.Kenneth@epamail.epa.gov>

Cc: "Charlie Howell" <howell.charlie@epa.gov>, "Laura Hunt" <hunt.laura@epa.gov>

Date: 06/27/2010 03:46 PM

Subject: Fw: Texas Marine Scientist Studies Oil Spill Effects on Oxygen Levels in the Gulf of Mexico "Dead Zone"

FYI

Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: William Honker

Sent: 06/27/2010 03:43 PM CDT

To: Karen McCormick; "Ison, Dawn" <Ison.Dawn@epa.gov>

Cc: R6_DWH_Info@epa.gov

Subject: Fw: Texas Marine Scientist Studies Oil Spill Effects on Oxygen Levels in the Gulf of Mexico

"Dead Zone"

fyi

William K. (Bill) Honker, P.E.
Deputy Director, Water Quality Protection Division
Senior Policy Advisor for Coastal Restoration
EPA Region 6 - Dallas, TX
Phone 214-665-3187
Fax 214-665-7373
Cell 214-551-3619

----- Forwarded by William Honker/R6/USEPA/US on 06/27/2010 03:42 PM -----

Texas Marine Scientist Studies Oil Spill Effects on Oxygen Levels in the Gulf of Mexico "Dead Zone"

Myron Knudson

to: William Honker, Jane Watson

06/24/2010 10:24 AM

This was in a email letter from UT.

Texas Marine Scientist Studies Oil Spill Effects on Oxygen Levels in the Gulf of Mexico "Dead Zone"

June 14, 2010

Share this story: These icons link to social bookmarking sites where readers can share and discover new web pages.

PORT ARANSAS, Texas — Marine scientist [Zhanfei Liu](#) is studying the effects of the Deepwater Horizon oil spill on oxygen levels in the northern Gulf of Mexico in part through a recently received [National Science Foundation](#) grant for Rapid Response Research (RAPID).

Zhanfei Liu holds a water sample from a recent cruise to the northern Gulf of Mexico.

The \$90,000 grant provided additional funding for a research cruise Liu and his colleagues took from May 21-27 to the Gulf of Mexico off the coast of Louisiana.

The scientists are studying marine chemistry in an extensive area of low oxygen (hypoxia) that occurs annually there known as the "Dead Zone." The growing oil spill is likely to encompass this area.

"We believe that the oil spill will exacerbate the development of hypoxia in the Dead Zone," says Dr. Liu, assistant professor of marine science at The University of Texas at Austin Marine Science Institute.

The Dead Zone has already been of concern for many years, given its detrimental impact on fisheries in the northern Gulf region, such as shrimp. Liu fears the oil spill will only enhance this problem.

"The oil spill is the biggest environmental disaster in the U.S., bigger than the Exxon Valdez," says Liu, "and will have a large economic impact on the region."

Liu and his collaborator Dr. Nathaniel Ostrom from Michigan State University expect that ocean bacteria will consume oil and in the process consume oxygen, which would lead to greater levels of hypoxia. They also propose that the oil slick on the surface of the Gulf will limit natural gas exchange between the atmosphere and ocean, further reducing the amount of oxygen in the water.

Map showing the estimated extent of the nearshore Deepwater Horizon oil spill (from NOAA) and the hypoxic Dead Zone (from LUMCON). Five of Dr. Liu's six water sampling sites are shown.

Graphic: David Steadman

During their recent May cruise, Liu and colleagues sampled the water at six locations in the northern Gulf. One of the sites, near Breton Sound at the mouth of the Mississippi River, has never before been hypoxic, but the scientists were surprised to find it test positive.

"This is probably an indication of the oil spill effect," says Liu, "because the current in that area would bring oil from the spill there. If we find that it is still hypoxic in August, we will be fairly confident that this may be caused by the spill."

Liu will embark on another research cruise with his colleagues in August of this year and again in May 2011. They also hope to sample the ocean this winter.

Liu received \$44,612 and Ostrom received \$44,758 from the \$90,000 RAPID grant.

Their May 2010 cruise was primarily funded by a grant to Dr. Wayne Gardner by the National Oceanic and Atmospheric Association to study nitrogen dynamics in the Dead Zone.

Gardner, Liu, Dr. Peter Thomas and Dr. Ed Buskey are faculty at The University of Texas at Austin Marine Science Institute who have research projects in the area.

For more information, contact: Lee Clippard, College of Natural Sciences, 512-232-0675; Dr. Zhanfei Liu, assistant professor, 361-749-6772.

1 Comment to *"Texas Marine Scientist Studies Oil Spill Effects on Oxygen Levels in the Gulf of Mexico 'Dead Zone'"*

1. DAVID AVERETT said on June 21, 2010

The last paragraph refers to NOAA. This a federal "administration" agency and not an association.

Post a comment

» Marine scientist studies oil spill effects in Gulf of Mexico

Name (required)

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/28/2010 09:00 AM
Subject: Is BP seen as a sugar-daddy for the Great Wall of Louisiana?

Gentlereaders-

Two new posts with huge implications for the ongoing response to the B.Pocalypse:

1) June 28 coastal scuttlebutt minipost.

2) Holly Beach barriers.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Chris Llewellyn/R6/USEPA/US
To: David Reazin/R6/USEPA/US@EPA
Cc: Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Kenneth Teague/R6/USEPA/US@EPA
Date: 06/28/2010 12:20 PM
Subject: CWPPRA SIT REP
ct:

Dave,

I have attached a copy of the CWPPRA portion of the Coastal Programs SIT REP. Please add this to the file that Barbara has already sent. If you have any questions let me know. Thanks.

Christopher Llewellyn
ORISE Post-graduate Intern
Marine and Coastal Section
EPA Region 6
1445 Ross Ave, Suite 1200 (6WQ-EC)
Dallas, TX 75202
(214) 665-7239

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

Fr Karen McCormick/R6/USEPA/US
o

m:

To "Mr. William Honker" <Honker.William@epamail.epa.gov>, "Miguel Flores" <Flores.Miguel@epamail.epa.gov>, "Jane Watson" <watson.jane@epa.gov>, "Dawn Ison"
: <ison.dawn@epa.gov>, R6 6WQ-EC, "Charlie Howell" <howell.charlie@epa.gov>, "Sharon Parrish" <Parrish.Sharon@epamail.epa.gov>, "Philip Crocker"
<Crocker.Philip@epamail.epa.gov>

Da 06/28/2010 12:46 PM
te:

Su Fw: Atlantic Tropical Storm ALEX Intermediate Advisory Number 12A
bje
ct:

FYI

Sent by EPA Wireless E-Mail Services

From: National Weather Service [nws.noaa@service.govdelivery.com]
Sent: 06/28/2010 12:41 PM EST
To: Karen McCormick
Subject: Atlantic Tropical Storm ALEX Intermediate Advisory Number 12A

Atlantic Tropical Storm ALEX Intermediate Advisory Number 12A Mon, 28 Jun 2010 12:36:50 -0500

000 WTNT31 KNHC 281736 TCPAT1 BULLETIN TROPICAL STORM ALEX INTERMEDIATE ADVISORY NUMBER 12A NWS TPC/NATIONAL HURRICANE CENTER MIAMI FL
AL012010 100 PM CDT MON JUN 28 2010 ...ALEX MOVING SLOWLY NORTH-NORTHWEST WITH NO CHANGE IN STRENGTH... SUMMARY OF 100 PM CDT...1800
UTC...INFORMATION ----- LOCATION...20.3N 91.7W ABOUT 85 MI...135 KM WNW OF CAMPECHE MEXICO ABOUT 535 MI...860 KM SE OF
BROWNSVILLE TEXAS MAXIMUM SUSTAINED WINDS...60 MPH...95 KM/HR PRESENT MOVEMENT...NNW OR 330 DEGREES AT 5 MPH...7 KM/HR MINIMUM CENTRAL
PRESSURE...990 MB...29.23 INCHES WATCHES AND WARNINGS ----- CHANGES WITH THIS ADVISORY... NONE. SUMMARY OF WATCHES AND WARNINGS IN
EFFECT... A HURRICANE WATCH IS IN EFFECT FOR... * THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE * THE COAST OF MEXICO
FROM THE MOUTH OF THE RIO GRANDE TO LA CRUZ A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A
WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE
PREPARATIONS DIFFICULT OR DANGEROUS. FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES
AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO
YOUR AREA OUTSIDE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE. DISCUSSION AND 48-HOUR
OUTLOOK ----- AT 100 PM CDT...1800 UTC...THE CENTER OF TROPICAL STORM ALEX WAS LOCATED BY AN AIR FORCE RESERVE HURRICANE
HUNTER AIRCRAFT NEAR LATITUDE 20.3 NORTH...LONGITUDE 91.7 WEST. ALEX HAS MOVED LITTLE OVER THE PAST COUPLE OF HOURS...BUT IS EXPECTED TO
RESUME MOVING TOWARD THE NORTH-NORTHWEST AT AROUND 5 MPH...7 KM/HR...LATER TODAY. A TURN TOWARD THE NORTHWEST IS FORECAST ON TUESDAY.
MAXIMUM SUSTAINED WINDS REMAIN NEAR 60 MPH...95 KM/HR...WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT COUPLE OF DAYS
AND ALEX IS EXPECTED TO BECOME A HURRICANE ON TUESDAY. TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 70 MILES...110 KM FROM THE CENTER.
THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY THE HURRICANE HUNTER AIRCRAFT WAS 990 MB...29.23 INCHES. HAZARDS AFFECTING LAND
----- RAINFALL...ALEX IS EXPECTED TO PRODUCE ADDITIONAL RAINFALL ACCUMULATIONS OF 3 TO 6 INCHES OVER THE YUCATAN PENINSULA...
SOUTHERN MEXICO...AND THE NORTHERN PORTIONS OF GUATEMALA THROUGH TUESDAY. ISOLATED MAXIMUM AMOUNTS OF 10 INCHES ARE POSSIBLE OVER
MOUNTAINOUS AREAS. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. HEAVY RAINS COULD REACH THE COASTAL AREAS OF
TAMAULIPAS...NORTHERN VERACRUZ...AND SOUTH TEXAS TUESDAY NIGHT AND WEDNESDAY. WIND...TROPICAL-STORM CONDITIONS ARE EXPECTED TO
APPROACH THE COAST WITHIN THE HURRICANE WATCH AREA DURING THE DAY ON WEDNESDAY... MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.
NEXT ADVISORY ----- NEXT COMPLETE ADVISORY...400 PM CDT. \$\$ FORECASTER BRENNAN

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This service is provided by NOAA's National Weather Service.

GovDelivery, Inc. (800-439-1420) sending on behalf of NOAA's National Weather Service - 1325 East West Highway - Silver Spring, MD 20910

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McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew
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Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC
PSC@EPA, Renee Bellew/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

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Dawn Ison
Environmental Scientist

U.S. EPA Region 6
214-665-2162 (office)
972-974-2075 (cell)

□ Be kind to the environment.
Please don't print this email unless necessary.

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From: R6 Advisory
To:
Date: 06/28/2010 03:17 PM
Subject: *** FLASH MESSAGE ***; EPA Region 6 Response to the Deepwater Horizon Incident

EPA Region 6 Response to the Deepwater Horizon Incident
Read More ==> [Link](#) Contact: Mark Hansen, 6SF-P,
214.665.7548-----

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Dawn Ison/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Jane

: Watson/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Renee Bellow/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA

D 06/29/2010 03:07 PM

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Karen McCormick, Chief
Marine and Coastal Protection Section
EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/30/2010 05:43 AM
Subject: Fwd: Fwd: Pictures worth many many words

Folks-

Debbie Elliott interviewed me for this story on Governor Jindal running today.

Me

----- Forwarded message -----

From: **Debbie Elliott** <DElliott@npr.org>

Date: Tue, Jun 29, 2010 at 11:31 PM

Subject: Re: Fwd: Pictures worth many many words

To: leonardbahr@gmail.com

Hey Len. My Jindal story is running on Morning Edition tomorrow. Thanks again for your help. D

From: Leonard Bahr <leonardbahr@gmail.com>

To: Undisclosed recipients <Undisclosed recipients:;>

Sent: Sun Jun 27 09:41:15 2010

Subject: Fwd: Pictures worth many many words

----- Forwarded message -----

From: **Leonard Bahr** <leonardbahr@gmail.com>

Date: Sun, Jun 27, 2010 at 8:39 AM

Subject: Pictures worth many many words

To:

Folks-

Today's [coastal mini-post](#) features powerful photographs that exemplify the old saw about a picture being worth 1,000 words.

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 06/30/2010 07:38 AM
Subject: Oliver speaks his mind

Folks-

The coastal mini-post on the last day of June spotlights an essay by Tulane Law Professor Oliver Houck that explains the 'fish-oil dilemma' in which Louisiana finds itself, ten weeks into the B.Pocalypse.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Karen McCormick/R6/USEPA/US
To: William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA
Cc: R6 6WQ-EC
Date: 06/30/2010 08:12 AM
Subject: Fw: Hurricane Alex Update

FYI -

Karen McCormick, Chief
Marine and Coastal Protection Section

EPA R6 (WQ-EC)
1445 Ross Avenue
Dallas, TX 75202-2733
office: 214-665-8365
cell: 214-789-2814

----- Forwarded by Karen McCormick/R6/USEPA/US on 06/30/2010 08:11 AM -----

From: "FEMA-R6-RRCC-ESF10" <Fema-R6-RRCC-ESF10@dhs.gov>
To: Jhana Enders/R6/USEPA/US@EPA, Althea Foster/R6/USEPA/US@EPA, Ronnie Crossland/R6/USEPA/US@EPA, Chris Petersen/R6/USEPA/US@EPA, Mark Hansen/R6/USEPA/US@EPA
Cc: Steve Mason/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, EOC Planning@EPA, EOC Deputy Manager@EPA
Date: 06/30/2010 08:06 AM
Subje FW: Hurricane Alex Update
ct:

From: FEMA-R6-RRCC-ESF5
Sent: Wednesday, June 30, 2010 7:53 AM
To: Cheshier, Ruth; FEMA-R6-RRCC; FEMA-R6-RRCC-DEPDIR; FEMA-R6-RRCC-DIR; FEMA-R6-RRCC-DOD; FEMA-R6-RRCC-ESF1; FEMA-R6-RRCC-ESF10; FEMA-R6-RRCC-ESF11; FEMA-R6-RRCC-ESF12; FEMA-R6-RRCC-ESF13; FEMA-R6-RRCC-ESF2; FEMA-R6-RRCC-ESF3; FEMA-R6-RRCC-ESF4; FEMA-R6-RRCC-ESF5; FEMA-R6-RRCC-ESF6; FEMA-R6-RRCC-ESF7; FEMA-R6-RRCC-ESF8; FEMA-R6-RRCC-ESF9; FEMA-R6-RRCC-GIS; FEMA-R6-RRCC-IA; FEMA-R6-RRCC-LOG; FEMA-R6-RRCC-OPS; FEMA-R6-RRCC-PA; FEMA-R6-RRCC-PIO; FEMA-R6-RRCC-USCG; FEMA-R6-RRCC-VOLAG; FEMA-R6-RRCCWG
Subject: FW: Hurricane Alex Update

Please see the attached update on Hurricane Alex.

If you have any questions or comments please contact the Situation Unit at 940-898-5257

Hurricane Alex

FEMA Region 6 Executive Summary:

As of 0600 CDT 6/30/2010

1. Alibis from Previous Operational Period or VTC:

- None at this time

2. Primary Objectives for this O-Period (0700 CDT 06/30- 0700 07/01):

- Support life-saving and life-sustaining operations requested by the State.
- Deploy IMAT and integrate with the State at the SOC.
- Provide guidance and ensure controls are in place to protect responders and the public.
- Ensure resources are ready for deployment in coordination with the State.
- Pre-stage resources (IRR etc.) at critical facilities requested by the State.
- Coordinate with the State on processing of pre-landfall declaration request.
- Establish an IOF.

3. Current Situation:

- **Weather:** As of 0400 CDT, Hurricane Alex is a category 1 storm about 220 miles SE of Brownsville with maximum sustained winds of 80 mph, moving WNW at 7 mph.
 - The center of the storm will approach the coast by late this afternoon and make landfall late tonight or early Thursday morning, approximately 60-100 miles south of Brownsville.
 - Additional strengthening is forecast and Alex could become a category 2 storm prior to landfall.
 - Hurricane force winds extend outward up to 200 miles.
 - 6-12 inches of rain expected with isolated amounts of 20". Flash floods and mudslides are possible especially in mountainous areas.

- Storm surge = 3-5 ft and could penetrate inland as far as several miles.
- Isolated tornadoes are possible over portions of south Texas today.
- TX is at H-4 (when tropical storm force winds hit the coast).
- Emergency Declaration Request for Texas was approved, EM-3313 for Cat. B, DFA only for 25 counties.
- RRCC is activated to 24/7 Level 1 (full staffing).
- ESFs present in RRCC: 1-8, 10-13, SBA en-route.
- TX SOC is at Level 1 (Emergency Conditions, 24 hour operations).
- **Evacuations:** No Contra-flow has been established.
- Voluntary Evacuation/Relocation for South Padre Island (Cameron County) and for RVs from Isla Blanca Park and Andy Bowie County Park on the island.
- Nueces County issued an Evacuation Advisory on 6/28.
- **Shelters:** 6 open, total population of 20; 14 additional shelters on stand-by.
- Bexar- 1 shelter open
- Cameron- 2 shelters open, pop 20
- Hidalgo- 3 shelters open
- Willacy- 1 shelter open
- **Teams:**
- Region 6 IMAT, FCO Brad Harris, and DCE is at the Texas SOC and an IOF has been established.
- IA and PA PDA Teams are on stand-by. Rental Resources are being identified.
- Division Supervisors are being identified by Operations.
- The Air Coordination Group is staffing up if needed.
- USACE Power and Commodities Teams have been deployed.
- An FMS has been staged in McAllen.
- **Commodities:** As of 0600 FSA Randolph Air Force Base **Auxiliary** (in Seguin, TX near San Antonio):
- 83 of 108 generators received
- 19 of 50 TL Meals received
- 16 of 25 TL Water received

- 16 of 20 TL Tarps received
- 4 MDRCs to support Logistics Operations (initially) should arrive by 1800 June 30
- Another FSA is on hold at Moore Air Force Base in Edinburg, TX (near McAllen).
- A Logistics Liaison is present at the Alamo Regional Command Center (San Antonio, TX).

4. Future operations in next O-Period:

- Monitor storm impacts and support State Requests.

5. Limiting Factors to include unmet needs (Special Considerations):

- None at this time.

Texas Division of Emergency Management Reported: 6/29

- **Office of the Attorney General** activated a price-gouging team.
- **Texas Military Forces** has up to 2,500 guardsmen, eight UH-60 helicopters and three C-130 aircraft on stand-by.
- **Texas TF1 & 2** will preposition in Weslaco and Kingsville on Tuesday to provide search and rescue capabilities as needed.
- **Texas Forest Service (TFS)** is coordinating the deployment of a IMTs to support disaster operations
- **Texas Department of Public Safety (DPS)** is activating the disaster district committee in McAllen for resource coordination.
- **The Alamo Regional Command Center** has been activated, and 100 buses are on standby should they be needed to assist in a potential evacuation.
- **BCFS** has a team in McAllen; capability to stand up a total of 18 gen pop shelters.
- **HEB** has activated their warehouse and distribution center in Weslaco to serve as a Resource Staging Area (state staging area).

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o Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA,
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Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water
Desk@EPA, R6 DWH REOC PSC@EPA

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Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/01/2010 09:40 AM
Subject: The folly of BP sand berms already documented

Coastal fans-

Although I hate to say, "I told you so," to Governor Jindal and his fellow sand berm advocates, read the top item in today's July 1 Coastal Scuttlebutt [mini-post](#) as the first failure of BP sand berms is reported. And this from a modest hurricane far from Louisiana. Len

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From: Tina Hendon/GB/USEPA/US
To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/01/2010 01:16 PM
Subject: WQ SitRep #44 (7/1/2010)

Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/01/2010 04:42 PM
Subject: NGO reticence to discuss sand berms

Folks-
Here's the post I promised on the Silence of the Eco-lambs.
Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Louisiana CPRA <info@lacpra.org>
To: Kenneth Teague/R6/USEPA/US@EPA
Date: 07/01/2010 05:57 PM
Subject: EMERGENCY CPRA Meeting Called for 10:30 a.m. Wednesday, July 7 at UNO

For Immediate Release: July 1, 2010

Contact: Chris Macaluso

(225) 342-3968

chris.macaluso@la.gov

EMERGENCY CPRA Meeting Called for 10:30 a.m. Wednesday, July 7 at UNO

The Coastal Protection and Restoration Authority has scheduled an emergency meeting for Wednesday, July 7 at 10:30 A.M. at UNO's Homer L. Hitt Alumni Center 2nd Floor Ballroom located at 2000 Lakeshore Drive in New Orleans to discuss oil impacts on Louisiana's coastal marshes and ecosystems and possible restoration efforts.

U.S. Navy Secretary Ray Mabus and Senator Mary Landrieu will be at the meeting to discuss federal ecosystem restoration efforts.

[Please click here for a map of the UNO Campus](#)

A meeting agenda will be distributed as soon as it's available.

For more information, please email CPRA Information Director Chris Macaluso at chris.macaluso@la.gov.

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The Coastal Protection and Restoration Authority's mandate is to develop, implement and enforce a comprehensive coastal protection and restoration master plan. For the first time in Louisiana's history, this single state authority will integrate coastal restoration and hurricane protection by marshalling the expertise and resources of the Department of Natural Resources,

Louisiana's history, this single state authority will integrate coastal restoration and hurricane protection by marshaling the expertise and resources of the Department of Natural Resources, the Department of Transportation and Development, and other state agencies, to speak with one clear voice for the future of Louisiana's coast. Working with federal, state and local political subdivisions, including levee districts, the CPRA will work to establish a safe and sustainable coast that will protect our communities, the nation's critical energy infrastructure, and our bountiful natural resources for generations to come. The CPRA of Louisiana was established by Act 8 of the 1st Extraordinary Session of 2005.

Coastal Protection and Restoration Authority

Capitol Annex - State of Louisiana

P.O. Box 44027

Baton Rouge, LA 70804-4027

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www.lacpra.org

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To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA

Date: 07/02/2010 02:40 PM

WQ SitRep Update #45 (7-2-2010)

Subject:

Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/04/2010 07:32 AM
Subject: Guest post by Bill Nuttle; Rocks in their heads? and Portrait of a world without ice.

Happy 4th of July, Folks!

Take a break from your barbeque.

Here's a [new post](#) by Bill Nuttle on Obama's Louisiana Purchase and a July 4 [mini-post](#) patting the corps on the back and showcasing a new book on sinking deltas.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/06/2010 06:00 AM
Subject: This opinion column is causing a sand storm!

Folks-

The July 7 Coastal Scuttlebutt Mini-post links to my guest column published today in *The Times-Picayune* on oil barriers made of sand castles. The feedback is amazing so far.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Tina Hendon/GB/USEPA/US
To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/06/2010 02:06 PM
Subject: 6WQ Situation Update #46 (7-6-2010)

Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Message from the Administrator
To: All EPA Employees
Date: 07/06/2010 03:21 PM
Subject: How You Can Help in the BP Oil Spill Response

Visit the Agency's Intranet for More Information

All Hands Email-Archive

This message is being sent to all EPA Employees.

Please do not reply to this mass mailing.

Colleagues:

After our agencywide town hall meeting last week, I made my sixth visit to the Gulf Coast since the beginning of the Deepwater BP oil spill. I cannot say enough about the efforts of our EPA colleagues -- especially those in Region 4, Region 6 and headquarters -- who have demonstrated their resolve in the face of increasing demands. Whether or not your work is immediately connected to the BP spill response, you are a part of this effort. As I've said before, we face this crisis as One EPA.

Many of you have asked, "How can I help?" There is a way for EPA staff to step up in this time of need, and now is the time, as we enter our third month of emergency response.

Today, I'm asking for existing EPA Response Support Corps members to respond affirmatively to the calls to join the response. **For non-members of the RSC, I encourage you to visit our intranet site and find out how to join.**

The RSC is made up of dedicated employees who supplement our emergency responders, help us to mobilize quickly and meet critical needs when a national disaster strikes. The RSC is critical right now, as we face what President Obama called the "worst environmental disaster America has ever faced."

Your colleagues, regional and headquarters staff directly addressing the emergency, are unwavering in their commitment. But the demands of this ongoing response require more support for their efforts. Although the days are long and weekend coverage is needed, service with the RSC is a rewarding experience.

RSC members are urged to work within their offices and with their respective RSC coordinators and EPA Emergency Operations Centers to identify interest and availability. To my senior leadership, please work with your managers and supervisors and exercise flexibility in allowing your employees to support this response effort. The spill response is an agencywide priority, and we must maintain our focus on the range of vital

services EPA provides to the American people.

Again, anyone not currently part of the RSC can visit our intranet site to find out how to sign up:

<http://intranet.epa.gov/rsc>

Thank you for your continued support and extraordinary work at this defining moment for our agency. I'm proud to serve with you.

Sincerely,

Lisa P. Jackson
Administrator

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: "Meridith Byrd" <Meridith.Byrd@tpwd.state.tx.us>
To: undisclosed-recipients;;
Date: 07/06/2010 03:48 PM
Subject: [TexHAB] meeting minutes; tar balls found on upper Texas coast

Hi Everyone,

Minutes from the latest meeting are attached. At the end of the minutes is the revised wording for the red tide fact card.

I received this in an e-mail today. Story is also available [here](#).

Tar balls along Texas coast are from Deepwater Horizon; How they arrived unclear

Key contact numbers

- Report oiled shoreline or request volunteer information: (866) 448-5816

**Deepwater Horizon Incident
Joint Information Center**

- Submit alternative response technology, services or products: (281) 366-5511
- Submit your vessel for the Vessel of Opportunity Program: (866) 279-7983 or (877) 847-7470
- Submit a claim for damages: (800) 440-0858
- Report oiled wildlife: (866) 557-1401

**Phone: (713) 323-1670
(713) 323-1671**

HOUSTON -- Tar balls collected from the Crystal Beach area of the Bolivar Peninsula on Saturday came from the Deepwater Horizon spill, tests have confirmed, but it is unclear how the material got to Texas.

Investigators discovered very small tar balls in the surf, but not on shore, Saturday evening. The tar balls were collected and sent to the lab to be tested where they were determined to be associated with the Deepwater Horizon oil spill. The testing found that the oil was lightly weathered, raising doubts that the oil traversed the Gulf from the spill source. Boats carry oil collected during the response to Texas for processing raising the possibility the oil could have been transported on a vessel.

The Coast Guard, Texas General Land Office (TGLO), and the City of Galveston patrolled the beaches by both helicopter and on foot over the weekend. On Sunday, teams discovered some dime-sized to nickel-sized tar balls on both Bolivar Peninsula's Crystal Beach and Galveston's East Beach.

The Coast Guard hired a contractor to remove the tar balls. A total of approximately 35 gallons of sand/seaweed/tar balls was recovered in Crystal Beach on the Bolivar Peninsula and on East Beach in Galveston on Sunday and Monday. Crews estimate that of the 35 gallons of material recovered, there were about 7 gallons of tar balls contained within the waste material. The largest was ping-pong ball sized. Lab analysis continues on the tar balls recovered on Sunday and Monday.

The Coast Guard, TGLO and City of Galveston will continue patrols to find and clean up tar balls. A command post has also been established. All Galveston beaches and Southeast Texas waterways remain open.

According to the National Oceanic and Atmospheric Administration (NOAA), for most people, an occasional brief contact with a small amount of oil will do no harm. However, some people are especially sensitive to chemicals, including the hydrocarbons found in crude oil and petroleum products. In general, NOAA recommends that if oil contact occurs, the area be washed with soap and water, baby oil or another safe cleaning compound.

The public can report an oil spill or tar ball sighting by calling the Texas General Land Office at 1-800-832-8224 or the National Response Center at 1-800-424-8802.

For information about the response effort, visit www.deepwaterhorizonresponse.com.

Meridith Byrd

HAB Response Coordinator
Texas Parks and Wildlife

For more information in HABs in Texas please visit www.tpwd.state.tx.us/hab.

Find TexHAB on Facebook: check out the [TPWD Harmful Algal Blooms Research and Education](#) page.

****You are currently signed up to receive e-mails as part of the Texas HAB distribution list. If you no longer wish to receive these updates please reply to meridith.byrd@tpwd.state.tx.us and I will be happy to remove your name.**

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Peggy Foster <pfoster@tamu.edu>
To: SGRFP@LISTSERV.TAMU.EDU
Date: 07/07/2010 08:28 AM
Subject: Oil Spill Research Activities Clearinghouse

Please distribute the attached letter.

Peggy Foster
Assistant to Director
Sea Grant College Program
2700 Earl Rudder Freeway South, Suite 1800

College Station, TX 77845
Phone: 979/845-1245
FAX: 979/845-7525
Email: pfoster@tamu.edu

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To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/07/2010 01:40 PM
Subject: 6WQ SitRep Update #47 (7-7-2010)

Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency

Gulf Breeze, FL. 32561

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To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/08/2010 02:34 PM
Subject: 6WQ SitRep Update #48 7-8-10

Tina Hendon
(214) 665-9784

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;

Date: 07/09/2010 08:49 AM
Subject: Coastal science vs. coastal politics

Folks-
Today's Coastal Scuttlebutt July 9 mini-post features items on the political overtones of technical issues.
Len

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To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/09/2010 02:11 PM
Subject: 6WQ SitRep Update #49 (7/9/10)

Tina Hendon
(817) 821-7371

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.

Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/11/2010 12:02 PM
Subject: The amazing shrinking sand berms

Folks-
Check out this [new post](#) on the rise and fall of artificial Chandeleur sand berms constructed to protect marshes from oil.
Len

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From: Tina Hendon/GB/USEPA/US
To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/12/2010 02:01 PM
Subject: 6WQ SitRep Update #50 (7-12-10)

Tina Hendon
(817) 821-7371

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

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Date: 07/13/2010 01:03 PM
Subject: 6WQ SitRep Update #51 (7-13-2010)

Tina Hendon
(817) 821-7371

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.

Gulf Breeze, FL. 32561

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From: Tina Hendon/GB/USEPA/US
To: Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA, Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA
Date: 07/13/2010 01:32 PM
Subject: 6WQ SitRep Update #51 (7-13-2010) REVISED

Tina Hendon
(817) 821-7371

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

F Leonard Bahr <leonardbahr@gmail.com>
r
o

m

T Dallon Weathers <hweather@uno.edu>, Darin Lee <darinl@dnr.state.la.us>, Dave Anderson <vermonster7@juno.com>, David Conrad <conrad@nwf.org>, David Jenkins
o <david.g.jenkins@mvk02.usace.army.mil>, David Mohrig <mohrig@mail.utexas.edu>, David Muth <dpmuth@cox.net>, David Ulm <david.m.ulm@usace.army.mil>, David Vigh
<David.A.Vigh@usace.army.mil>, David Waggonner <david@wbarchitects.com>, David Freedman <david@wwoz.org>, "Deb & Ken Litzenberger" <dklitz@charter.net>, Dietmar
Rietschier <drietschier@amitebasin.org>, Dawn Lavoie <dlavoie@usgs.gov>, Debbie Elliott <DElliott@npr.org>, Dee Davidson <Margaret.Davidson@noaa.gov>, Del Britsch
<louis.d.britsch@mvn02.usace.army.mil>, Denise Reed <DJReed@uno.edu>, Dennis Kelly <dkelly@pegasusprogram.us>, Diane Austin <daustin@u.arizona.edu>, Dianne Lindstedt
<dlindst@lsu.edu>, Dick Schneider <dick@lsu.edu>, Don Blancher <blancher@restoreecosystems.com>, Don Boesch <boesch@ca.umces.edu>, Don Davis
<don.lsu.davis@gmail.com>, Dorothy Prowell <dprowe@lsu.edu>, Doug Daigle <dougdaigle@gmail.com>, Doug Meffert <dmeffert@tulane.edu>, Duncan Fitzgerald <dunc@bu.edu>,
Earl Melancon <earl.melancon@nicholls.edu>, Ed Bodker <ebodker@aol.com>, Edmond Mouton <emouton@wif.la.gov>, Edward Proffitt <edward_proffitt@usgs.gov>, Ed Russo
<edmond.j.russo@erdc.usace.army.mil>, Ed Theriot <etheriot@pirnie.com>, Ehab Meselhe <meselhe@louisiana.edu>, Elizabeth English <english@ecenglish.ca>, Emilie Bahr
<bahrbell@yahoo.com>, Emma Fisher <fishere@halcrow.com>, Erich Rapp <Erich.Rapp@keanmiller.com>, Ezra Boyd <ezgis76@gmail.com>, "F. Clayton Breland"
<clayton.breland@la.gov>, Falcolm Hull <falcolm.hull@arcadis-us.com>, Femke Smeets <f.smeets@nwp.nl>, Francis Cole <franciscole@cox.net>, Frank Truesdale
<infotrawla@gmail.com>, Fred Sklar <fsklar@sfgwd.gov>, Garret Graves <garret.graves@gov.state.la.us>, Gary LaGrange <GLAGRANGE@portno.com>, "Gary M. Hanson"
<ghanson@lsus.edu>, Gary Perilloux <gperilloux@theadvocate.com>, Gary Shaffer <shafe@selu.edu>, Gene Turner <euturne@lsu.edu>, George Sorvalis <sorvalisg@nwf.org>, Gerry
Galloway <gegalloway@umd.edu>, Glenn Constant <glenn_constant@fws.gov>, Glen Jacoby <glen.jacoby@ttemi.com>, Glenn Thomas <gthomas@agcenter.lsu.edu>, Grasshopper
Mendoza <info@commercial504.com>, Greg Ducote <gregory.ducote@la.gov>, Greg Gasperez <GGasperez@enviance.com>, Greg Linscombe <glinscombe@clf-co.com>, Greg
Miller <Gregory.B.Miller@mvn02.usace.army.mil>, Greg Snedden <gsedden@usgs.gov>, Greg Steyer <gsteyer@usgs.gov>, Guille Novello <novelloguille@hotmail.com>, Harley Winer
<hswiner@pbsj.com>, Hank Riefle <hriefle@aol.com>, Harry Roberts <hrober3@lsu.edu>, Haydee Ellis <haydeellis@gmail.com>, Henry Graham <henry@lca.org>, Ioannis Georgiou
<igeorgio@uno.edu>, Irv Mendelssohn <imendel@lsu.edu>, Ivor van Heerden <Exnatalia@aol.com>, Jacqui Michel <jmichel@researchplanning.com>, Jakob Rosenzweig
<jakob.g.rosenzweig@gmail.com>, James Cowan <jhcowan@lsu.edu>, James Gill <jgill@timespicayune.com>, James Stefanov <jestefan@usgs.gov>, Jane
Watson/R6/USEPA/US@EPA, Janet McConnaughey <janetmc@ap.org>, Janice Lansing <janice.lansing@la.gov>, Jared Serigne <nebulamultimedia@gmail.com>, Jarvis Deberry
<jdeberry@timespicayune.com>, Jay Grymes <jgrymes@wafb.com>, Jeanene Peckham/R6/USEPA/US@EPA, Jeannine Meeds <jeanninemeeds@gmail.com>, Jeff Lillycrop
<jeff.lillycrop@usace.army.mil>, Jeff Williams <jwilliams@usgs.gov>, Jennifer Grand <jgrand@ducks.org>, Jeremy Alford <jeremy@jeremyalford.com>, Jerry Hoffpauir
<jerry@portofmc.com>, Jess Weaver <jdweaver@usgs.gov>, Jim Brandt <jimbrandt@la-par.org>, Jim Brown <jb@jimbrownla.com>, Jim Chambers <jchamb@lsu.edu>, Jimmie Delery
<j_delery@hotmail.com>, Jim Engster <jim@wrkf.org>, Jim Fouss <james.fouss@ars.usda.gov>, Jim Marchand <jmarch@lsu.edu>, Jim Mitchell <Jim.Mitchell@la.gov>, Jim Morris
<morris@biol.sc.edu>, Jim Nickel <jim@coursonnickel.com>, Jim Pahl <james.pahl@la.gov>, Jim Rives <trey1950@gmail.com>, Jim Stone <wusu@cox.net>, Jim Tripp
<jtripp@edf.org>, Joannes Westerink <jjw@nd.edu>, Joe Cocchiara <joe@portno.com>, Joe Suhayda <josephsuhayda@yahoo.com>, John Atkeison <john@atkeison.org>, John Barras
<john.a.barras@usace.army.mil>, John Barry <jvbarry@aol.com>, John Burke <johnecaviar@yahoo.com>, John Day <johnday@lsu.edu>, John Ettinger/R6/USEPA/US@EPA, John
Harding <jharding@ngi.msstate.edu>, John Howell <howell58@gmail.com>, John Kelly <kelly@modelsoftware.com>, John LaCour <john.lacour@louisiana.edu>, John Lopez
<johnlopez@pobox.com>, John Marlin <jmarlin@wmrc.uiuc.edu>, John McLachlan <john.mclachlan@tulane.edu>, John Pardue <jpardue@lsu.edu>, John Teal
<teal.john@comcast.net>, John Templeton <johnatempleton@yahoo.com>, John Wells <wells@vims.edu>, John Westra <jwestra@agctr.lsu.edu>, Judge Edwards
<vermillioncorporation@connections-lct.com>, Karen Durham-Aguilera <karen.l.durham-aguilera@mvn02.usace.army.mil>, Karen Gautreaux <kgautreaux@tnc.org>, Karl DeRouen
<karl.fpdm@lycos.com>, Kathleen Kadair <vieuxdieux@gmail.com>, Kathy Wascom <krwascom@cox.net>, Katie Barrow <katie.barrow@yahoo.com>, Ken Krause
<kkrause@usgs.gov>, Kenneth Teague/R6/USEPA/US@EPA, Keith Ouchley <kouchley@tnc.org>, "Kerry St. Pe" <kerry@btnep.org>, Kevin Shanley <kshanley@swagroup.com>,
Kimberly Quillen <kquillen@timespicayune.com>, King Milling <rmilling@uptownnola.net>, Kip Holden <mayorholden@brgov.com>, Kirk Cheramie <kirkeam@netscape.net>, Kristopher
Benson <Kristopher.Benson@noaa.gov>, Kurt Johnson <kurt.johnson@la.gov>, Lanny Keller <lkeller@theadvocate.com>, Lawrence Rozas <Lawrence.Rozas@noaa.gov>, Larry
McKinney <larry.mckinney@tamucc.edu>, Larry Parson <Larry.E.Parson@usace.army.mil>, "Leo F. Richardson" <lfrichardson@cox.net>, Leonard Shabman <shabman@rff.org>, Lisa
Price/R6/USEPA/US@EPA, Lisa Miles Jackson <ljaackson@igsfederal.com>, Louis Buatt <louis.buatt@la.gov>, Madeline Rogers <Madeline_Rogers@urscorp.com>, Malcolm Robinson
<malcolm.robinson@cox.net>, Marie Gould <sarramarie@cox.net>, Marilyn Kilgen <marilyn.kilgen@nicholls.edu>, Mark Davis <msdavis@tulane.edu>, Mark Dortch
<Mark.S.Dortch@erdc.usace.army.mil>, Mark Ford <bultongue@yahoo.com>, Mark Kulp <mkulp@uno.edu>, Mark Herbert <Mark_Herbert@landrieu.senate.gov>, "Mark H. Hilzim"
<MHilzim@aol.com>, Mark LaFlaur <lafaur@mac.com>, Mark McKeivitt <mark.mckeivitt@us.army.mil>, Mark Schexnayder <mschexnayder@agcenter.lsu.edu>, Mark Schleifstein
<mschleifstein@timespicayune.com>, Marty Beasley <info@custom-mapping.com>, Marty Floyd <progne99@aol.com>, Matt Brown <MBrown@ap.org>, Matt Rota
<matt@healthygulf.org>, Matt Scallan <msscallan@timespicayune.com>, Maurice Fox <mauricef@bellsouth.net>, "Mead A. Allison" <mallison@mail.utexas.edu>, Megan Lapeyre
<mlapey@lsu.edu>, Melissa Block <mblock@npr.org>, Michael Beck <mbeck2@alumni.lsu.edu>, Michael Reilly <reillymj@gmail.com>, Michael Segner <MS@mcopr.com>, Michaelyn
Broussard <mbroussard@selu.edu>, Mike Blum <mblum77024@gmail.com>, Mike Grunwald <Michael_Grunwald@timemagazine.com>, Mike Dagg <mdagg@lumcon.edu>, Mike
Matherne <mmaterne@agcenter.lsu.edu>, Mike Miner <mminer@uno.edu>, Mike Robichaux <docmikrobi@mac.com>, Mike Stagg <mikestagg@mikestagg.us>, Mike Tidwell
<mwtidwell@aol.com>, Mike Waldon <mike@mwaldon.com>, Mike Wascom <coewas@lsu.edu>, Myron Knudson/R6/USEPA/US@EPA

D 07/14/2010 09:22 AM

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Fwd: Len Bahr appearing on Keith Olberman tonight to discuss a couple of the 'worst ideas in the world.'

----- Forwarded message -----

From: **Leonard Bahr** <leonardbahr@gmail.com>

Date: Wed, Jul 14, 2010 at 9:20 AM

Subject: Len Bahr appearing on Keith Olberman tonight to discuss a couple of the 'worst ideas in the world.'

To:

Folks-

As noted in today's Coastal Minipost I'm scheduled to be interviewed this evening at 7:00 PM CDT during MSNBC's *Countdown with Keith Olberman* (presumably not as one of the Worst Persons in the World). I'll be asked why I disagree with the concept of piling up dredged sand into windrows to protect coastal marshes from intruding oil. I may also get a chance to challenge the popular but misguided idea of filling in tidal passes with Indiana limestone.

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From:

Tina Hendon/GB/USEPA/US

To:

Paige Delgado/R6/USEPA/US@EPA, Terry Burton/R6/USEPA/US@EPA, Karen McCormick/R6/USEPA/US@EPA, Dawn Ison/R6/USEPA/US@EPA, Miguel Flores/R6/USEPA/US@EPA, William Honker/R6/USEPA/US@EPA, Jane Watson/R6/USEPA/US@EPA, David Reazin/R6/USEPA/US@EPA, Barbara Keeler/R6/USEPA/US@EPA, Brad Crawford/R6/USEPA/US@EPA, Brent Larsen/R6/USEPA/US@EPA,

Cathy Gilmore/R6/USEPA/US@EPA, Charlie Howell/R6/USEPA/US@EPA, Chris Llewellyn/R6/USEPA/US@EPA, Chris Thomas/R4/USEPA/US@EPA, Claudia Hosch/R6/USEPA/US@EPA, Debra Griffin/R6/USEPA/US@EPA, Doug Mundrick/R4/USEPA/US@EPA, EOC Water@EPA, Forrest John/R6/USEPA/US@EPA, Kilty Baskin/R6/USEPA/US@EPA, Laura Hunt/R6/USEPA/US@EPA, Mark Stead/R6/USEPA/US@EPA, Matt Hubner/R6/USEPA/US@EPA, Matthew Loesel/R6/USEPA/US@EPA, Melinda McCoy/R6/USEPA/US@EPA, Mike Schaub/R6/USEPA/US@EPA, Patricia-A Taylor/R6/USEPA/US@EPA, Paul Koska/R6/USEPA/US@EPA, Philip Crocker/R6/USEPA/US@EPA, Renee Bellew/R6/USEPA/US@EPA, R6 6WQ-EC, R6 DWH EOC Water Desk@EPA, R6 DWH REOC PSC@EPA, Tina Hendon/GB/USEPA/US@EPA

Date: 07/14/2010 02:31 PM
Subject: 6WQ SitRep Update #52 (7-14-2010)

Tina Hendon
(817) 821-7371

Gulf Ecology Division
US Environmental Protection Agency
1 Sabine Island Dr.
Gulf Breeze, FL. 32561

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Leonard Bahr <leonardbahr@gmail.com>
To: undisclosed-recipients;;
Date: 07/14/2010 02:36 PM
Subject: Never mind re Len Bahr interview on tonight's MSNBC's Countdown With Keith Olberman show!

Folks-

FOLKS-

Sorry but please ignore my previous message that I would appear on *Countdown with Keith Olberman* this evening on MSNBC.

As of around 12:30 PM it was still a go but at 1:40 or so I was notified that breaking news on capping the Deep Horizon wellhead had (understandably) superseded sand berm significance. Nevertheless, *The Times-Picayune* and AP are working on sand berm stories, presumably to run soon.

In addition, thanks to a growing number of alert and supportive *LaCoastPost* readers, I'm receiving interesting new leads, including information on defensive state-designed, static 'solutions' - all sans serious science.

Stay tuned!

Len

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Don Harper <polychaete@hal-pc.org>
To: Former@epamail.epa.gov, students@epamail.epa.gov
Date: 07/14/2010 04:15 PM
Subject: Fwd: Animal Autopsies in Gulf Reveal Only a Mystery

Forwarded by Franklin Viola.

Animal Autopsies in Gulf Reveal Only a Mystery

http://www.nytimes.com/2010/07/15/science/earth/15necropsy.html?_r=1&nl=&emc=aua1

----- Forwarded by Kenneth Teague/R6/USEPA/US on 07/15/2010 03:07 PM -----

From: Doug Daigle <lmrsbc@gmail.com>
To: undisclosed-recipients;;
Date: 07/15/2010 08:04 AM
Subject: What oil does in saltwater...

[Apologies for double-postings...]

From "Nature Notes," by Dr. Bob Thomas, Loyola University in New Orleans

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Share This:

July 12, 2010

A tar ball from
Elmer's Island
near Grand Isle,
La., found July
6, 2010.

**Photo by Bob
Thomas.**

The same tar

Tar Balls and Oil Patties.

by Bob Thomas

When crude oil enters water, it immediately begins to spread out into an ever-thinning sheen, evaporate into the air, dissolve into the water and be attacked by microbes. Hydrocarbons that remain becomes denser and denser. A wide array of variables impacts this process, including wind, wave and current energy, density of the water, type of hydrocarbons in the crude (light crude as in the Macondo well gusher to heavy crude as in the Exxon Valdez spill), temperature and other

ball being pulled apart by Leanne Sarco.
Photo by Bob Thomas.

A tar ball found at Grand Isle State Park, October 29, 2007.
Photo by Bob Thomas.

Two oil patties found on Elmer's Island near Grand Isle, La., on July 6, 2010.
Photo by Bob Thomas.

Another oil patty found on Elmer's Island on the same date.
Photo by Bob Thomas.

Yet another oil

meteorological considerations.

Tar balls are aggregates of the heavier ends of the crude oil spectrum and include asphaltenes, tar, paraffins, and the like. As the crude oil continues to break down (the lighter ends of the oil dissipate), the oil sinks lower in the water column, often rolling about on the sea floor. Tar balls incorporate all sorts of sands and other detritus. The key is that tar balls are semi-solid to solid, and look like black asphalt or tar.

Tar balls may originate from natural seeps on the floor of the Gulf or from leaks and spills of crude oil.

Another common source of tar balls is from ballast tanks in ships. Ballast tanks hold seawater and the amount can be regulated, depending on cargo loads and the associated buoyancy needed for the ship at the moment. If oil is present in seawater when a ship fills its ballast tanks, it will be sucked into the tanks. Such trapped oil exists in a caldron of bacterial activity and may constantly degrade. When ships flush their ballast into the sea, as they often do, the oil either exits as tar balls or continues to weather into tar balls.

Recall that soon after the BP Macondo well gusher was formed, reports of tar balls on Florida beaches were found to have originated from ship ballasts.

Tar balls harden from the outside in, so it is not uncommon to find tar balls that can be broken open to reveal liquid oils.

Louisiana's marshes, beaches and coastal waters are being assaulted by another stage in crude oil aggregation best called **oil patties**, or just oil globs. They are not as dense as tar balls, and are brown instead of black. Oil patties look more like pudding, being dense but still obviously liquid. They may result from the continued degradation of the oily mousse that has been common along our shores in the form of orange streamers, or lines of emulsified oil on the surface.

Although we don't like to see oil patties and tar balls washing into our coastal waters, the good news is that they are highly weathered, having lost many of their original hydrocarbon chemical qualities, and will continue to degrade in our ecosystem and gradually disappear.

The question is, at what cost? What impact do they and their remaining fractions have on the environment? Do they contain toxic remains of the widespread use of the dispersant Corexit?

Announcements

patty from
Elmer's Island
on the same
date.

**Photo by Bob
Thomas.**

Twitter about nature. For updates on floral and faunal activities in south Louisiana, follow Bob at DrBobNatureNote.

Nature Notes will be archived on the LUCEC website (www.loyno.edu/lucec). This website is planned to be launched on August 1, 2010.

You will be notified when this happens.

In the meantime, if you need any back copies, have comments and/or suggestions for topics, just email Bob at rathomas@loyno.edu.

Published by the Loyola University Center for Environmental Communication
Office Phone: (504) 865-2107 | Email: rathomas@loyno.edu | Website: www.loyno.edu/lucec

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